

ENGINEERING STATEMENT (2<sup>nd</sup> Amendment 8/25/2021)

This Engineering Statement has been prepared on behalf of Central Texas College (“CTC”), the licensee of FM radio station KNCT-FM, Killeen, Texas, and in support of a Petition for Reconsideration of the grant of license to an operating translator, K217GJ, Austin, Texas and a CP and application for license for modified facilities by Centro Christiano De Vida Eterna (“Centro”) which is causing significant impermissible interference to co-channel station KNCT-FM. This interference is ongoing and attempts to resolve the interference with Centro have been met with no cooperation. KNCT-FM has many documented listeners in the area where K217GJ is operating, and the interference received has caused and continues to cause severe damage to the ability of KNCT-FM to obtain membership funding from its many listeners in the Austin area.

KNCT-FM is a full-power Class C1 station licensed to operate on Channel 217C1 (91.3MHz) with 50kW effective radiated power (“ERP”) and at 357 meters Height Above Average Terrain (“HAAT”). KNCT-FM broadcasts from a tower located just South of Killeen, Texas and provides documented service to areas and population within its 45dBu FCC f50,50 contour. KNCT-FM has been operating at full licensed power continuously since 1981 other than for a brief period in 2014 following lightning damage.

This Engineering Statement will demonstrate that the projected interference to KNCT-FM from K217GJ meets the new interference protection guidelines adopted by the Report and Order in MB Docket Number 18-119 (FCC 19-40), released May 9, 2019. KNCT-FM has readily obtained more than the required 15 Listener Declarations and is **submitting 20 unique Listener Declarations identifying 28 unique listening locations which were reported by listeners to be receiving interference from K217GJ. This number exceeds the listener complaint requirement** contained in Section 74.1203(a)(3) for a Station with the protected contour such as that of KNCT-FM.<sup>1</sup> These documented KNCT-FM Listener Declarations represent only a small fraction

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<sup>1</sup> 15 Listener Complaints is the upper limit of Listener Complaints required for any broadcast station in Table 1 to Section 74.1203 of the Commission’s Rules. There are 1,207,184 people inside the KNCT-FM 60dBu protected contour.

of the over 615,000 potential listeners that KNCT-FM serves in the Austin, TX area within the predicted K217GJ interference area who are equally adversely affected by the translator's impermissible and harmful interference.

It should be noted that K217GJ began operating in October 2020 and interference complaints immediately were received by CTC. At first the CTC staff didn't understand what was happening. When it was determined that the interference was due to the co-channel K217GJ translator, contact was made with the legal representative of Centro, Dan Alpert. Mr Alpert responded on December 20, 2020 that the translator was "shut down". Listeners verified this fact. It was later found that K217GJ returned to operation sometime in mid-May 2021 and verified by KNCT staff on 5/21/21 and again on 5/24. Complaints again were received from KNCT-FM listeners.

A visual inspection of the K217GJ tower and antenna reveals that a different antenna than that authorized is mounted to the tower and is, in fact pointed in the wrong direction. KNCT staff attempted several times to reach Mr. Guevara. Initially Mr. Guevara stated that he was operating per his construction permit. When Guevara was advised of the interference and to please work with CTC to resolve the interference the CTC staff member was told "we have nothing further to discuss" and staff was unable to reach him following that interaction.

While the first petition was pending, although no CP appears to have been filed, Centro filed an application to cover on 7/28/21 for a facility at a slightly different location with 5 watts peak ERP. Because this is a co-channel proposed facility at essentially the same location, the power level reduction is almost irrelevant. Only a couple of the interference locations are predicted to meet D/U ratios to KNCT, and several are predicted to be even worse. CTC respectfully requests that the current licensed facility authorization be rescinded based upon the previously filed petition and the current application for license be dismissed.

#### HARMFUL INTERFERENCE

K217GJ (licensed and License application) is operating co-channel to KNCT-FM. The K217GJ transmitter site is located just inside the 55dBu contour for KNCT-FM. As is reflected in the supporting

materials, many of the interference complaints involve locations inside the proposed 60dBu contour of K217GJ. At these locations, K217GJ generates more than 25dB in excess of the allowable undesired/desired signal ratio to KNCT-FM, **which is well in excess of the -20 dB U/D threshold ratio for co-channel interference listener complaints**. Exhibit B is a map denoting the area (shaded in red) where the signal of KNCT is equal to or greater than 45dBu and where the K217GJ signal is greater than -20dB referenced to the KNCT signal (D/U Ratio). Each location where a listener is receiving impermissible interference from the K217GJ (217D) transmitter is also shown on the map and the relative D/U ratio is shown in the right-hand columns of the Exhibit A chart. Exhibit B1 is a close-up of many listener locations inside the interfering contours of the translator which shows the dense urbanized area where K217GJ is generating significant interference, completely swamping the KNCT signal in many areas.

Exhibit A (250 watt) and Exhibit C (5 watt) are charts describing the interference types and locations. The following information is gleaned from this chart:

- There are 20 separate respondents used in this evaluation. Interference was received either at specific home, work, or specific commuting locations (roadway intersections).
- There are 26 (for 250 watt facility) and 23 (For 5 watt facility) separate and valid (inside the KNCT-FM 45dBu contour), fixed location declarations (home and/or work, and/or other specific location) where the K217GJ interference does not meet the requirement of 20dB below KNCT-FM.
- Each respondent's name, address where listening is specified, phone number, coordinates of each location where listening is specified. The desired (KNCT-FM) and undesired (K217GJ) FCC 50,50 and FCC 50,10 signal levels respectively are shown along with the D/U calculation showing the relationship between the two signals. Any location where the proposed K217GJ is in excess of FCC allowable ratios is listed in red. The proposed K217GJ ratio is in excess of FCC limits at 26 of the 28 plotted locations for the 250 watt facility and 23 out of 26 of the proposed five watt facility.

### CONCLUSION

The operator of K217GJ, Centro Christiano De Vida Eterna, has a long history and is known by broadcasters throughout the south Texas region for flagrantly operating translators in violation of FCC rules, causing ongoing and damaging interference to existing full-power licensees, and refusing to even discuss reducing the interference it causes. It is also noted that K217GJ was operating with a dead carrier for about a month in July.

CTC respectfully requests that the Commission immediately demand that K217GJ be shut down and if Centro is unwilling or unable to ameliorate the interference it is causing, to rescind the license of K217GJ (which was obtained under false pretenses) so that the listeners of KNCT-FM can once again hear the station they expect to hear on 91.3MHz in Austin.

### CERTIFICATION

The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direct supervision, and that they are true and correct to the best of his knowledge and belief.



Bertram S. Goldman  
Goldman Engineering Management

# Exhibit A- Address and Interference Chart (Original 250 Watt Facility)

Interference Log and Data									
Listener Count	Map Ref	Name	Complainant Address	Email Address	Complainant Phone	Listening Frequency	Minimum twice a month?	Affiliation w/ KNCT?	Interference location
1	1	James Murrill	103 Justin Ln, Apt 1011, Austin, 78757	none	(512) 636-8217	91.3 YES	NO	103 Justin Ln, Apt 1011, Austin, 78757	30.3458291,-97.7689607
2	2	Nancy Soback	1800 Cedar Ridge Dr, Austin, 78741	none	(512) 443-9063	91.3 YES	NO	1800 Cedar Ridge Dr, Austin, 78741	30.2376023,-97.7344596
3	3	Maxine Barnett	1501 Burton Springs Rd, Austin, TX 78704	None	(512) 535-8035	91.3 YES	NO	1501 Burton Springs Rd, Austin, TX 78704	30.2605177,-97.7616427
4	4A 4B	Court W Thielman	1121 Reagan Terr, Austin, TX 78704	<a href="mailto:Cthielman@gmail.com">Cthielman@gmail.com</a>	(512) 416-7595	91.3 YES	NO	Home, Congress Av & Oltorf & Academy, James, Gibson, Elizabeth, Monroe, Annie, Live Oak	30.2445331,-97.7407398 30.2346479,-97.7591705
5	5	Charles Smith	138 Billingsley Hts, Cedar Creek, TX 78612	<a href="mailto:charles2765@bcbcbba.net">charles2765@bcbcbba.net</a>	(512) 321-4288	91.3 YES	NO	In garage & inside home	30.1003991,-97.4878551
6	6A 6B	Tehila Guerra	806 Marc Taylor Dr, Austin	<a href="mailto:tehilathelion13@gmail.com">tehilathelion13@gmail.com</a>	(512) 963-9040	91.3 YES	NO	51st St. & Huddleston Ln	30.1862912,-97.8004033 30.1983119,-97.7942822
7	7A 7B	J Cole McClellan	1405 Desert Quail Ln, Austin, TX 78758	<a href="mailto:jcolle1@outlook.com">jcolle1@outlook.com</a>	(512) 913-6067 "K2176G"	YES	NO	Home, 304 E 4th St, W 46th & Guadalupe, 506 Crystal Creek	30.3722934,-97.7078595 30.2654343,-97.742966
8	8	Lee Sloan	5202 Alton La, Austin, TX 78744	<a href="mailto:misa598@aol.com">misa598@aol.com</a>	(512) 441-1977	91.3 YES	NO	Home	30.2039922,-97.7366422
9	9	Patrick Elkin	15003 Glenheather Dr. Lakeway, TX	none	(512) 466-7558	91.3 YES	NO	Home	30.412465,-97.8969077
10	10	Jerry Tjarnon	4908 Sylvanvale, Austin, 78745	none	(512) 441-1353	91.3 YES	NO	Home White Blvd & Manchaca Rd, Austin Loop 1 from RR2222 to Braker La & 6000-8000 Burnet Rd & 3600 Far West Blvd, Austin	30.229629,-97.79073 30.3544129,-97.7572403 30.335944,-97.7423957
11	11A 11B	Margie Blevins	7709 Shadyock Dr, Austin, TX 78731	<a href="mailto:mblevins@gmail.com">mblevins@gmail.com</a>	(512) 971-7162	91.3 YES	NO	Home & 7756 Northcross Dr, Austin, TX 78757	30.3267103,-97.7505008 30.3566605,-97.739488
12	12A 12B	Pat Green	5008 Farley Dr, Austin, TX 78731	<a href="mailto:pgreenca@bcbcbba.net">pgreenca@bcbcbba.net</a>	(512) 458-5008	91.3 YES	NO	Home	30.2073935,-97.813173
13	13	Richard Mezlerie	6612 Boleywood Dr, Austin, TX	none	(512) 447-6231	91.3 YES	NO	Home + Lindshire & W Slaughter La	30.178229,-97.8333537 30.1782278,-97.8396156
14	14A 14B	Ken Baker	9814 Briar Ridge Dr, Austin, TX 78748	<a href="mailto:kenbaker24one@gmail.com">kenbaker24one@gmail.com</a>	(512) 228-2487	91.3 YES	NO	Home	30.1782278,-97.8396156
15	15	Les & Kay Broline	3937 Bakcones Dr, Austin, TX 78731	<a href="mailto:kbroline@austin.rr.com">kbroline@austin.rr.com</a>	(512) 217-3297	91.3 YES	NO	W 35th St. & Bakcones Dr.	30.3161199,-97.7691398
16	16A 16B	Helena Miller	744 W Wm Cannon, Austin, TX 78745 (41079)	<a href="mailto:hmlbrowl@aol.com">hmlbrowl@aol.com</a>	(512) 680-3952	91.3 YES	NO	Home & 704 W 51st St.	30.2031767,-97.8330178 30.3187,-97.732234
17	17	Allen Lubbeck	12113 Robin Ridge La, Austin, TX 78750	<a href="mailto:alluback22@gmail.com">alluback22@gmail.com</a>	(512) 608-5443	91.3 YES	NO	Home, Burnett Rd & W 45th St.	30.3153519,-97.7438008
18	18	Heleen Cox	5407 Hunters Glen, Austin, TX 78745	<a href="mailto:hccox@bcbcbba.net">hccox@bcbcbba.net</a>	(512) 441-2936	91.3 YES	NO	Emerald Forest & St. Elmo, Ben White & Mopac	30.213350,-97.7539776
19	19A 19B	Alan Gomez	4706 Valcour Bay Ln, Austin, TX 78754	<a href="mailto:alanguomez3@gmail.com">alanguomez3@gmail.com</a>	(512) 820-9115	91.3 YES	NO	Home & 2020 S. Congress Ave, Austin, TX 78704	30.3359857,-97.65007 30.2433186,-97.754448
20	20	Regina Barrera	105 W. St. John Ave, Austin, TX	<a href="mailto:rbarrera@bcbcbba.net">rbarrera@bcbcbba.net</a>	None	91.3 YES	NO	Home	30.3358879,-97.712833

EXHIBIT B- Map of K217GJ (217D) and KNCT-FM Contours (Original 250 Watt Facility)

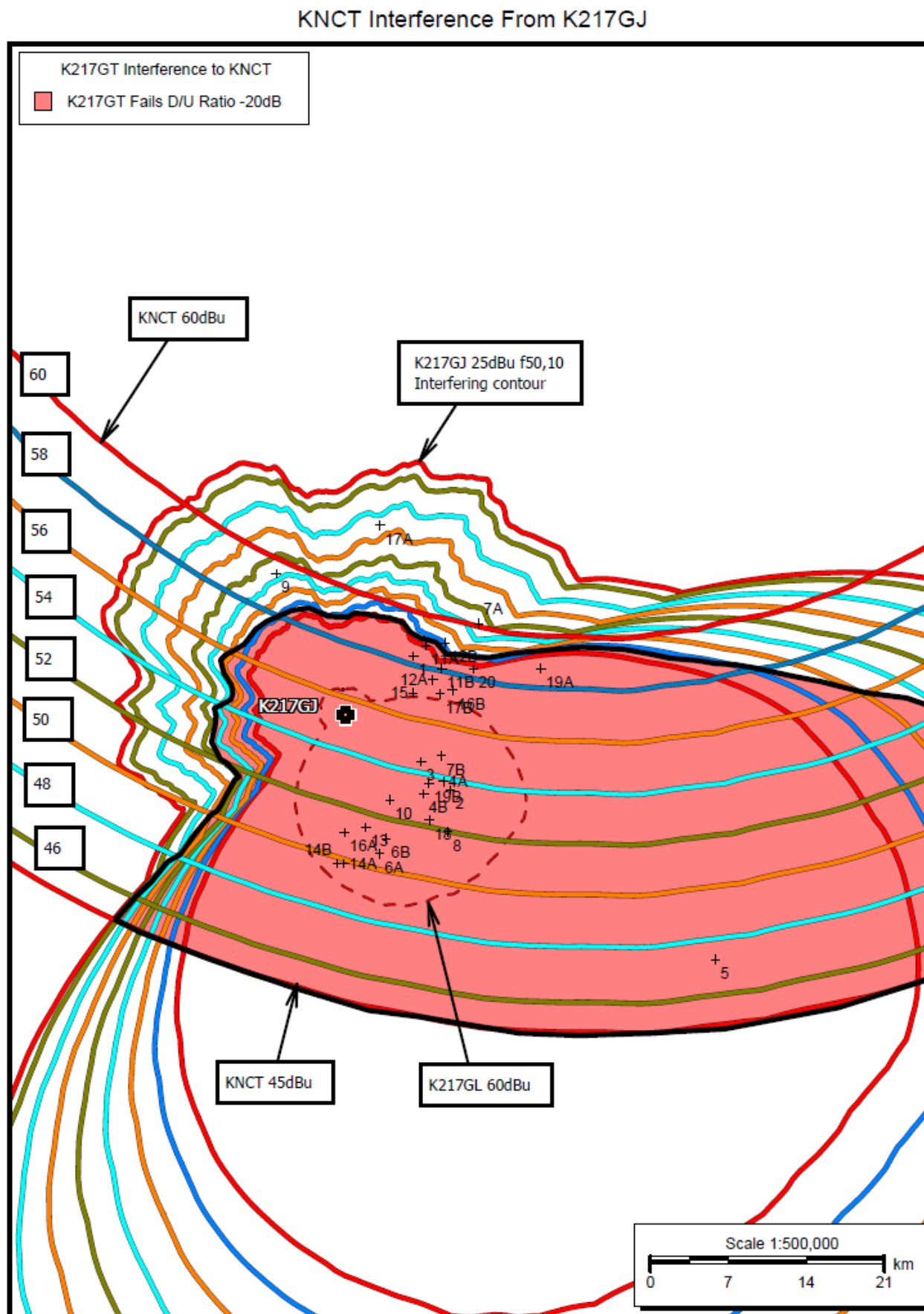
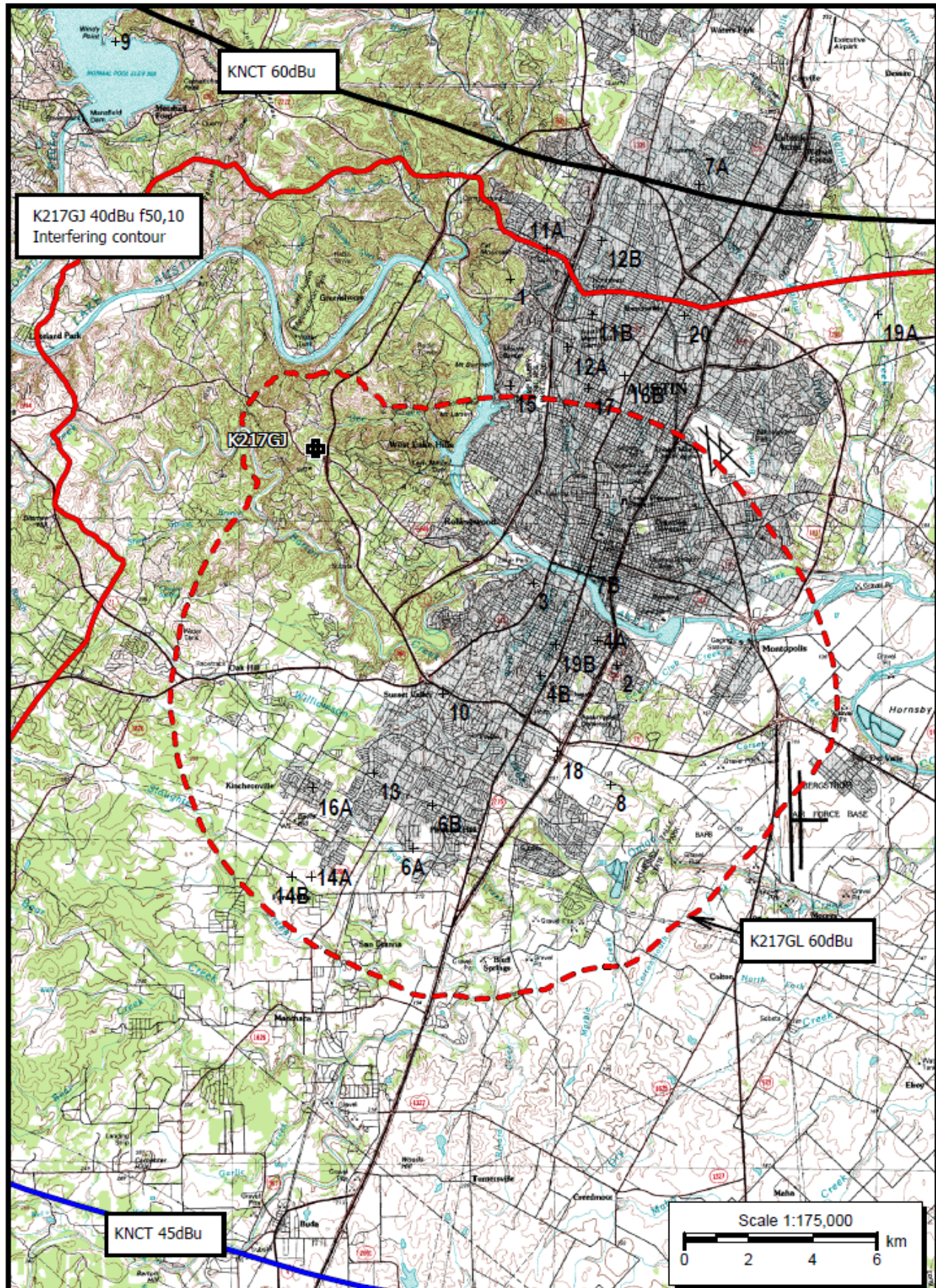




EXHIBIT B1- Topo Map of (250w) K217GJ (217D) and KNCT-FM Interference Locations

Locations of Interference Complaints, Austin, TX





# Exhibit C- Address and Interference Chart (Proposed 5 Watt Facility)

## Interference Log and Data

Latency Count	Map Ref	Name	Complainant Address	Email Address	Complaint Date Phone	Latency Frequency	Interference Month?	Antenna w/ 5W/ 50W?	Interference Location	Case #/Date LAT/ACM	RFCT Signal	RFCT D/40°
1	1	Jarvis Murrill	103 Austin LA, Apt 101L, Austin, TX 78707	<a href="mailto:jarvis@murrill.com">jarvis@murrill.com</a>	(512) 69-66-217	91.3 YES	NO	NO	103 Austin LA, Apt 101L, Austin, TX 78707	3-024-58291, 4-726-09007	5.64	3.7 1.4
2	2	Nancy Schick	1800 Cedar Ridge Dr, Austin, TX 78741	<a href="mailto:nancy@schick.com">nancy@schick.com</a>	(512) 44-34-003	91.3 YES	NO	NO	1800 Cedar Ridge Dr, Austin, TX 78741	3-023-79023, 4-729-44096	5.16	69.7 -36.1
3	3	Michele Barnett	1501 Barton Springs Rd, Austin, TX 78704	<a href="mailto:michele@barnett.com">michele@barnett.com</a>	(512) 53-54-035	91.3 YES	NO	NO	1501 Barton Springs Rd, Austin, TX 78704	3-026-05177, 4-726-16427	5.44	74.7 -40.3
4	4A	Courtesy Television	1121 Reagan Terr, Austin, TX 78704	<a href="mailto:ctv@courtesy.com">ctv@courtesy.com</a>	(512) 41-67-905	91.3 YES	NO	NO	1121 Reagan Terr, Austin, TX 78704	3-024-65381, 4-724-07986	5.38	74.3 -40.5
5	5	Charles Smith	1381 Bellvue Way, Cedar Cove, TX 78612	<a href="mailto:charles@smith.com">charles@smith.com</a>	(512) 32-14-288	91.3 YES	NO	NO	1381 Bellvue Way, Cedar Cove, TX 78612	3-023-64679, 4-729-91705	5.32	66.8 -33.6
6	6A	Tenille Guerra	806 Moore Taylor Dr, Austin	<a href="mailto:tenille@moore.com">tenille@moore.com</a>	(512) 96-34-040	91.3 YES	NO	NO	806 Moore Taylor Dr, Austin	3-010-03991, -97-4876831	4.72	33.3 -6.1
7	7A	J Cole MacCallum	1405 Chesterfield Ln, Austin, TX 78758	<a href="mailto:jcole1@chevrolet.com">jcole1@chevrolet.com</a>	(512) 91-34-007	91.3 YES	NO	NO	1405 Chesterfield Ln, Austin, TX 78758	3-037-22934, 4-720-78995	6.01	82.3 7.8
8	8	Lee Sloan	5022 Alton Ln, Austin, TX 78754	<a href="mailto:lee@lee.com">lee@lee.com</a>	(512) 44-14-977	91.3 YES	NO	NO	5022 Alton Ln, Austin, TX 78754	3-020-89922, 4-729-66422	5.2	58.8 -26.8
9	9	Patrick Egan	15003 Greenhollow Dr, Lakeview, TX	<a href="mailto:pate@egan.com">pate@egan.com</a>	(512) 66-67-588	91.3 YES	NO	NO	15003 Greenhollow Dr, Lakeview, TX	3-041-2465, -97-8963077	5.45	24.7 14.8
10	10	Jerry T. Jamison	4808 Sylvanville, Austin 78743	<a href="mailto:jerry@jamison.com">jerry@jamison.com</a>	(512) 44-14-303	91.3 YES	NO	NO	4808 Sylvanville, Austin 78743	3-022-9629, -97-79073	5.28	57.3 -24.5
11	11A	Margie Blevins	7709 Shoemaker Dr, Austin TX 78751	<a href="mailto:margie@blevins.com">margie@blevins.com</a>	(512) 97-17-162	91.3 YES	NO	NO	7709 Shoemaker Dr, Austin TX 78751	3-035-64129, 4-729-72903	5.88	34.6 4.2
12	12A	Pat Green	5008 Freeway Dr, Austin, TX 78751	<a href="mailto:pat@green.com">pat@green.com</a>	(512) 45-84-008	91.3 YES	NO	NO	5008 Freeway Dr, Austin, TX 78751	3-032-67106, 4-729-03008	5.76	40.9 -3.5
13	13	Richard Mathews	6612 Belvedere Dr, Austin, TX	<a href="mailto:richard@mathews.com">richard@mathews.com</a>	(512) 44-74-231	91.3 YES	NO	NO	6612 Belvedere Dr, Austin, TX	3-020-72603, 4-741-3173	5.14	49.7 -18.3
14	14A	Ken Baker	5814 Baker Ridge Dr, Austin, TX 78748	<a href="mailto:ken@baker.com">ken@baker.com</a>	(512) 22-84-487	91.3 YES	NO	NO	5814 Baker Ridge Dr, Austin, TX 78748	3-017-6229, -97-8033307	4.69	43.9 -14
15	15	Leslie Kay Brodie	3807 Balcones Dr, Austin, TX 78731	<a href="mailto:leslie@brodie.com">leslie@brodie.com</a>	(512) 21-74-267	91.3 YES	NO	NO	3807 Balcones Dr, Austin, TX 78731	3-031-61159, 4-726-91368	5.7	45.5 -8.5
16	16A	Helen M. Blevins	704 W. Wren Canyon, Austin, TX 78745 (4709)	<a href="mailto:helen@blevins.com">helen@blevins.com</a>	(512) 68-04-952	91.3 YES	NO	NO	704 W. Wren Canyon, Austin, TX 78745 (4709)	3-020-31767, 4-7433307	5.1	46.4 -13.4
17	17	Alan Luback	12113 Robin Ridge Ln, Austin, TX 78750	<a href="mailto:alan@luback.com">alan@luback.com</a>	(512) 60-84-443	91.3 YES	NO	NO	12113 Robin Ridge Ln, Austin, TX 78750	3-031-8747, -7822234	5.74	44 -6.6
18	18	Heidi Cox	5407 Harker Glen, Austin, TX 78745	<a href="mailto:heidi@cox.com">heidi@cox.com</a>	(512) 44-14-906	91.3 YES	NO	NO	5407 Harker Glen, Austin, TX 78745	3-021-30304, -97-7589776	5.23	61.1 -28.8
19	19A	Allen Gorman	4706 Belvoir Bay Ln, Austin, TX 78754	<a href="mailto:allen@gorman.com">allen@gorman.com</a>	(512) 82-04-115	91.3 YES	NO	NO	4706 Belvoir Bay Ln, Austin, TX 78754	3-033-59857, 4-7450007	5.67	36.2 2.5
20	20	Raghu B. Barnes	105 W. St. John Ave, Austin, TX	<a href="mailto:raghu@barnes.com">raghu@barnes.com</a>	None	91.3 YES	NO	NO	105 W. St. John Ave, Austin, TX	3-024-33196, 4-729-44480	5.37	71.6 -37.9



EXHIBIT D- Map of K217GJ (217D) and KNCT-FM Contours (Proposed 5 Watt Facility)

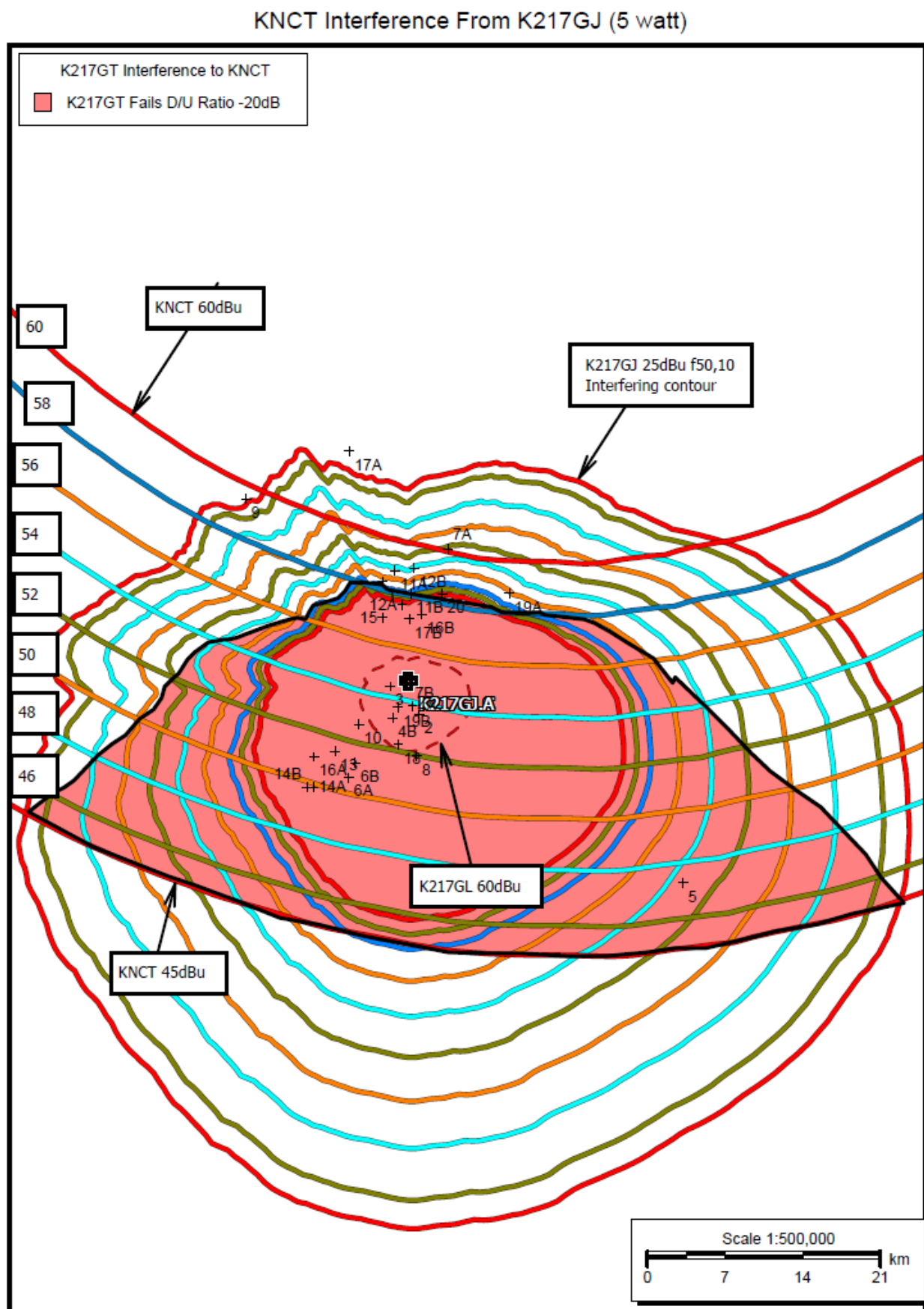




EXHIBIT D1- Topo Map of (5w) K217GJ (217D) and KNCT-FM Interference Locations

Locations of Interference Complaints (PROP 5w Facility), Austin, TX

