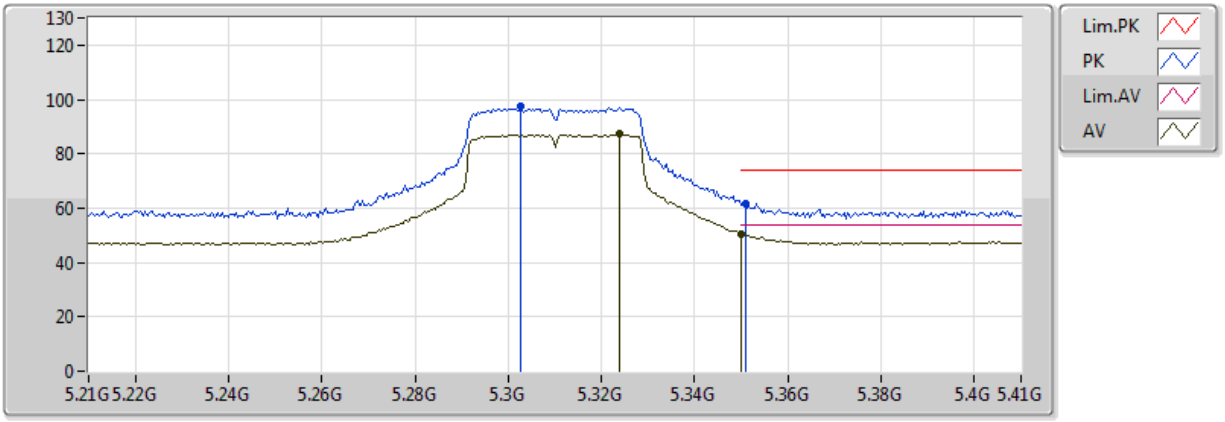
802.11ac VHT40_Nss1,(MCS0)_1TX

5310MHz_TX

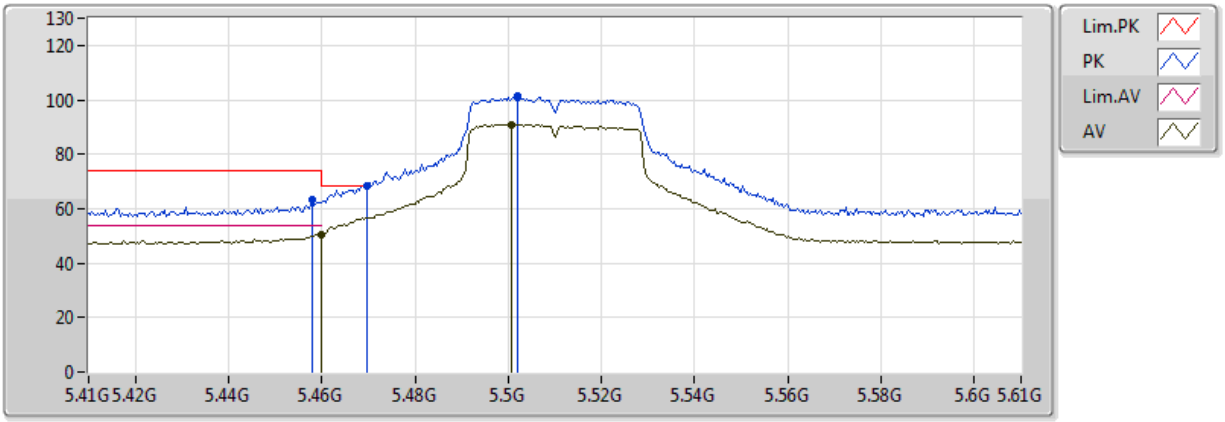


20170706
EUT Z 1TX
Setting 13.5
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.324G	87.29	Inf	-Inf	9.39	3	H	282	2.99	-
AV	5.350005G	50.46	54.00	-3.54	9.44	3	H	282	2.99	-
PK	5.3028G	97.29	Inf	-Inf	9.35	3	H	282	2.99	-
PK	5.3508G	61.49	74.00	-12.51	9.44	3	H	282	2.99	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5510MHz_TX

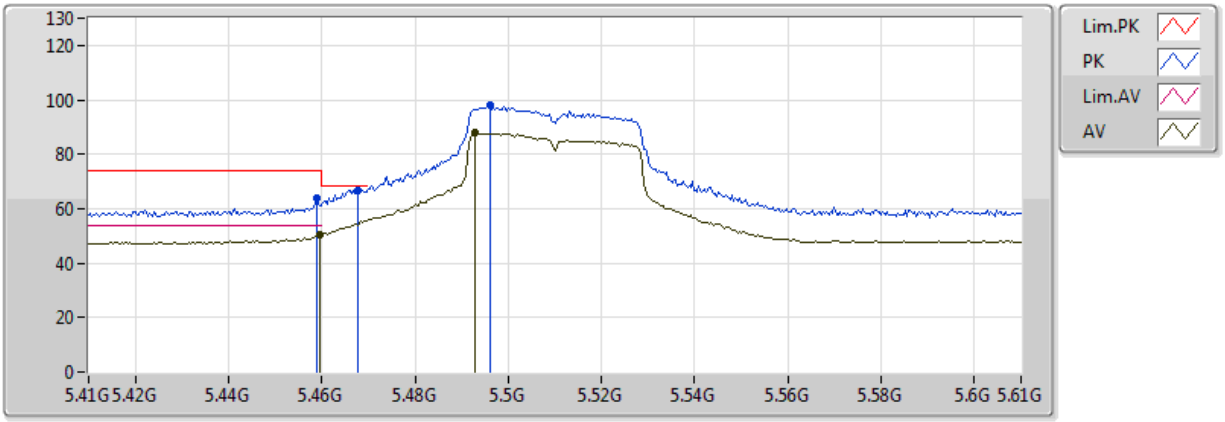


20170706
EUT Z 1TX
Setting 14.5
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	50.44	54.00	-3.56	9.68	3	V	325	1.78	-
AV	5.5008G	91.04	Inf	-Inf	9.79	3	V	325	1.78	-
PK	5.458G	63.23	74.00	-10.77	9.68	3	V	325	1.78	-
PK	5.4696G	68.13	68.20	-0.07	9.71	3	V	325	1.78	-
PK	5.502G	101.16	Inf	-Inf	9.79	3	V	325	1.78	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5510MHz_TX

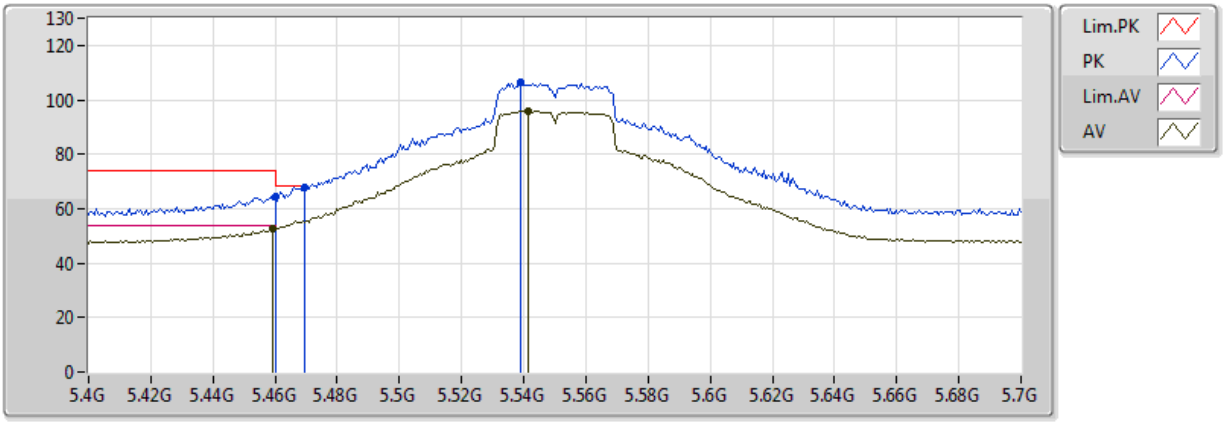


20170706
EUT Z 1TX
Setting 14.5
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4596G	50.61	54.00	-3.39	9.68	3	H	276	2.99	-
AV	5.4928G	87.71	Inf	-Inf	9.77	3	H	276	2.99	-
PK	5.4588G	63.77	74.00	-10.23	9.68	3	H	276	2.99	-
PK	5.4676G	66.93	68.20	-1.27	9.70	3	H	276	2.99	-
PK	5.496G	97.85	Inf	-Inf	9.78	3	H	276	2.99	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5550MHz_TX

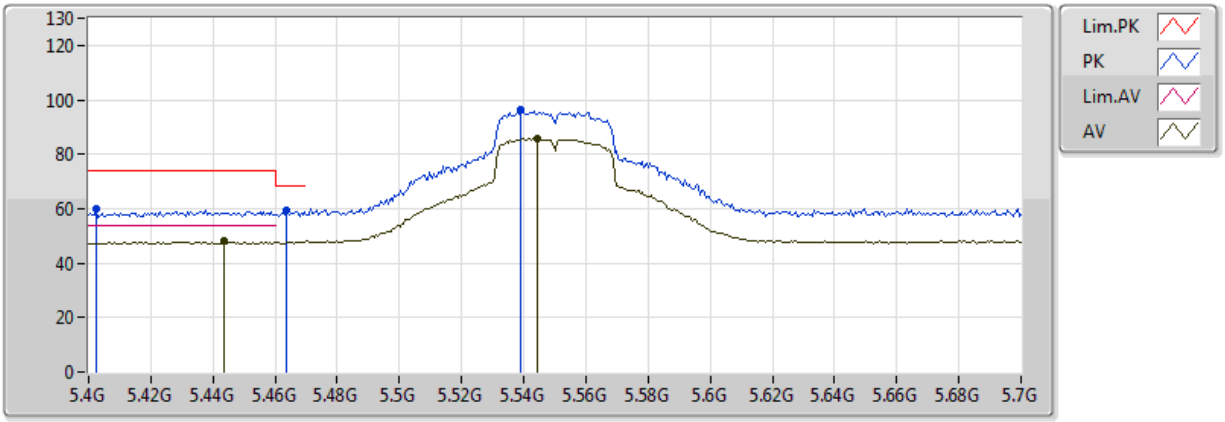


20170706
EUT Z 1TX
Setting 27
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4594G	52.61	54.00	-1.39	9.68	3	V	225	1.75	-
AV	5.5416G	96.09	Inf	-Inf	9.83	3	V	225	1.75	-
PK	5.46G	64.60	74.00	-9.40	9.68	3	V	225	1.75	-
PK	5.4696G	67.91	68.20	-0.29	9.71	3	V	225	1.75	-
PK	5.5392G	106.55	Inf	-Inf	9.83	3	V	225	1.75	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5550MHz_TX

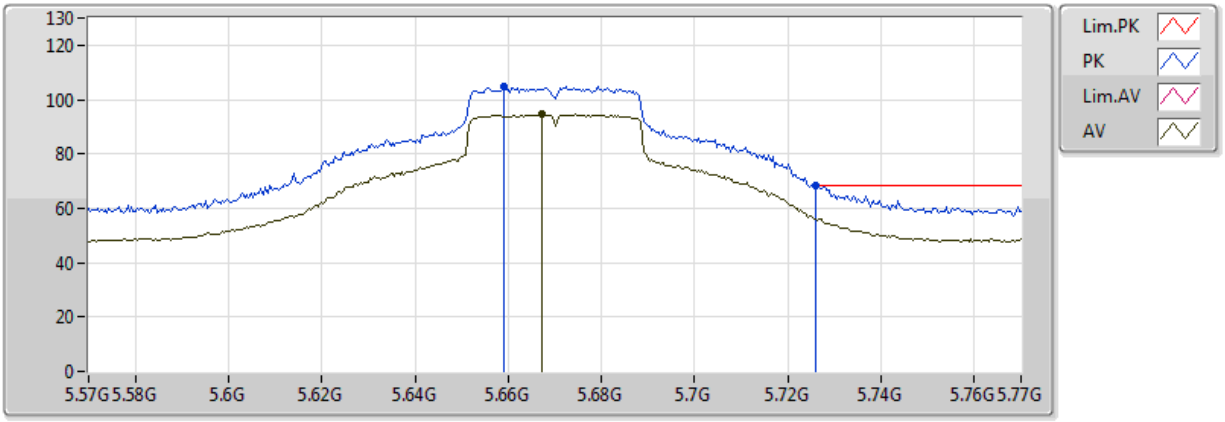


20170706
EUT Z 1TX
Setting 27
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4438G	47.92	54.00	-6.08	9.64	3	H	129	1.56	-
AV	5.5446G	85.76	Inf	-Inf	9.83	3	H	129	1.56	-
PK	5.4024G	59.74	74.00	-14.26	9.53	3	H	129	1.56	-
PK	5.4636G	59.25	68.20	-8.95	9.69	3	H	129	1.56	-
PK	5.5392G	96.39	Inf	-Inf	9.83	3	H	129	1.56	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5670MHz_TX

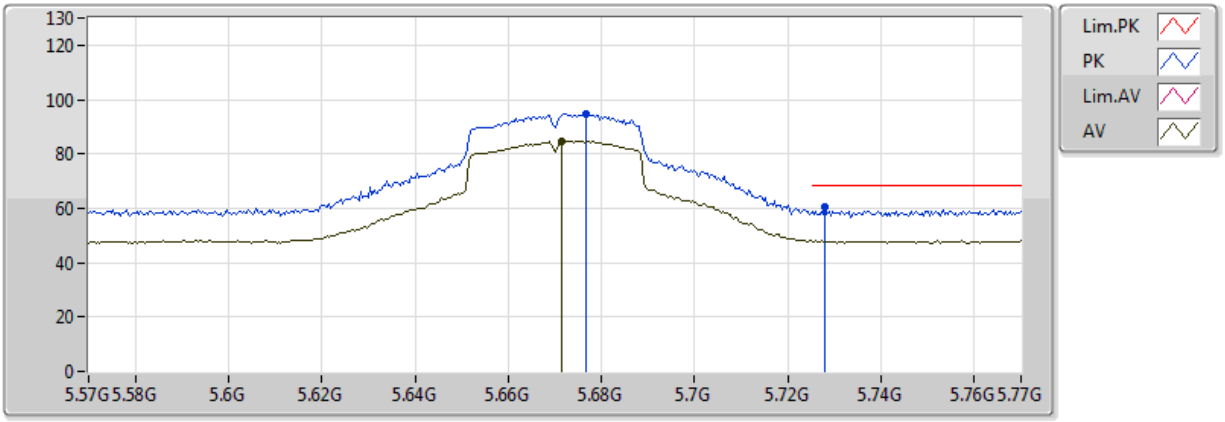


20170706
EUT Z 1TX
Setting 23
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6672G	94.58	Inf	-Inf	9.89	3	V	333	1.47	-
PK	5.6592G	104.99	Inf	-Inf	9.89	3	V	333	1.47	-
PK	5.726G	68.16	68.20	-0.04	9.91	3	V	333	1.47	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5670MHz_TX

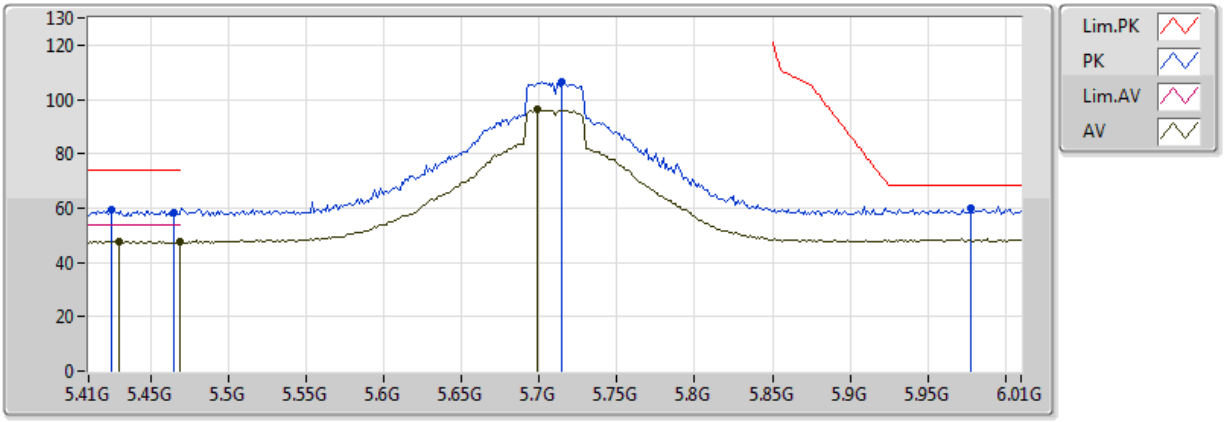


20170706
EUT Z 1TX
Setting 23
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6716G	84.71	Inf	-Inf	9.89	3	H	125	2.60	-
PK	5.6768G	94.84	Inf	-Inf	9.90	3	H	125	2.60	-
PK	5.728G	60.33	68.20	-7.87	9.91	3	H	125	2.60	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5710MHz Straddle 5.47-5.725GHz_TX

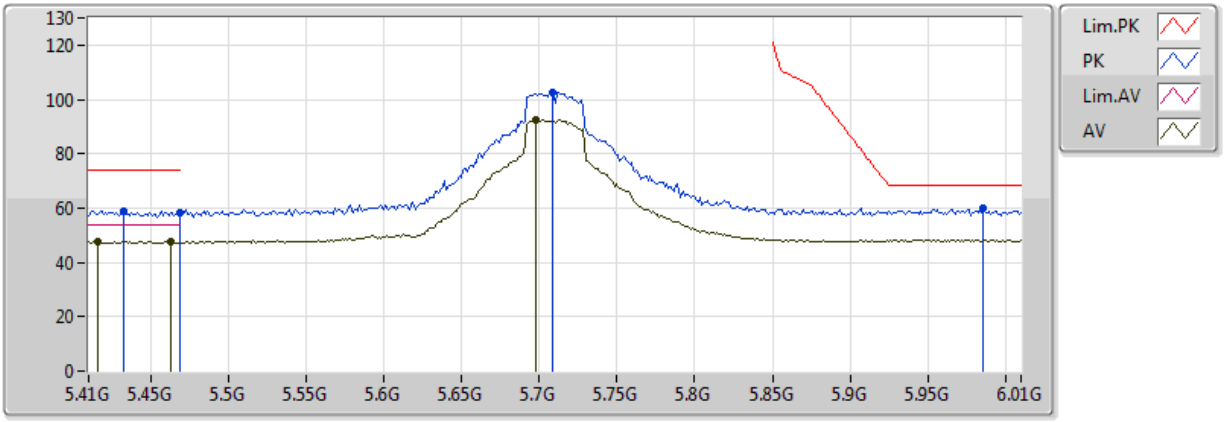


20170706
EUT Z1TX
Setting 30
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4292G	47.77	54.00	-6.23	9.60	3	V	329	1.47	-
AV	5.4688G	47.48	54.00	-6.52	9.71	3	V	329	1.47	-
AV	5.6992G	96.24	Inf	-Inf	9.90	3	V	329	1.47	-
PK	5.4244G	59.49	74.00	-14.51	9.59	3	V	329	1.47	-
PK	5.4652G	58.35	74.00	-15.65	9.70	3	V	329	1.47	-
PK	5.7148G	106.53	Inf	-Inf	9.90	3	V	329	1.47	-
PK	5.9776G	59.70	68.20	-8.50	10.17	3	V	329	1.47	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5710MHz Straddle 5.47-5.725GHz_TX

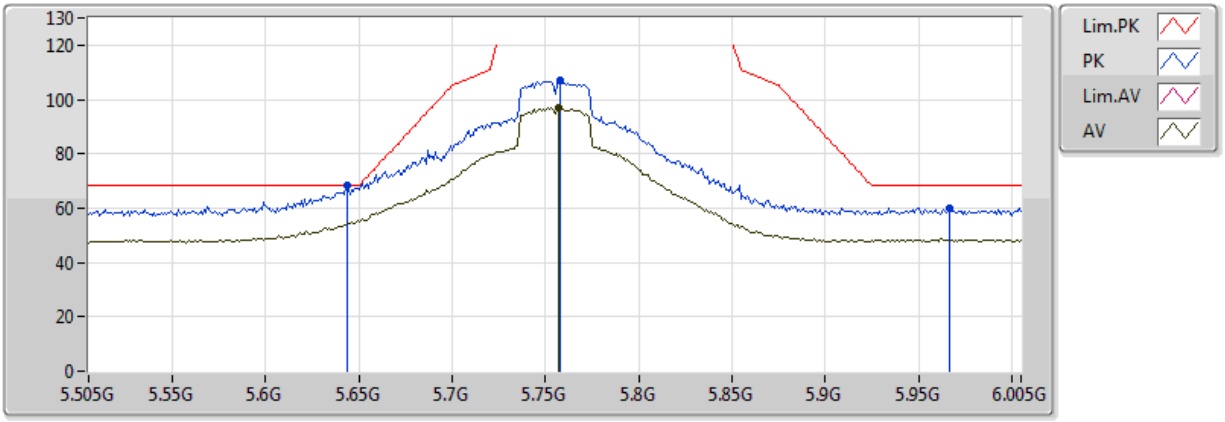


20170706
EUT Z 1TX
Setting 30
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.416G	47.75	54.00	-6.25	9.56	3	H	254	2.92	-
AV	5.4628G	47.43	54.00	-6.57	9.69	3	H	254	2.92	-
AV	5.698G	92.53	Inf	-Inf	9.90	3	H	254	2.92	-
PK	5.4328G	59.03	74.00	-14.97	9.61	3	H	254	2.92	-
PK	5.4688G	58.34	74.00	-15.66	9.71	3	H	254	2.92	-
PK	5.7088G	102.69	Inf	-Inf	9.90	3	H	254	2.92	-
PK	5.986G	59.70	68.20	-8.50	10.18	3	H	254	2.92	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5755MHz_TX

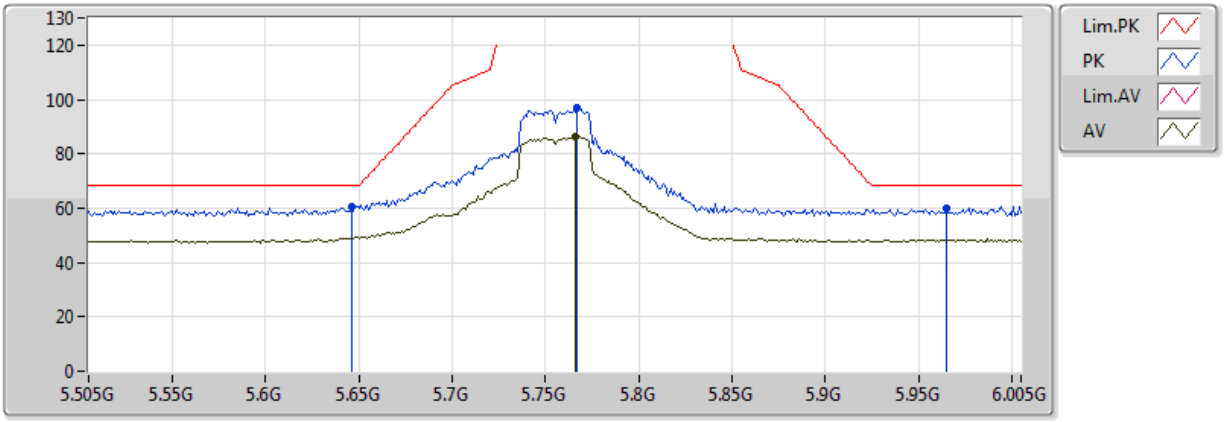


20170706
EUT Z 1TX
Setting 30
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.757G	96.81	Inf	-Inf	9.91	3	V	324	1.50	-
PK	5.644G	68.13	68.20	-0.07	9.89	3	V	324	1.50	-
PK	5.758G	106.80	Inf	-Inf	9.91	3	V	324	1.50	-
PK	5.967G	60.14	68.20	-8.06	10.15	3	V	324	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5755MHz_TX

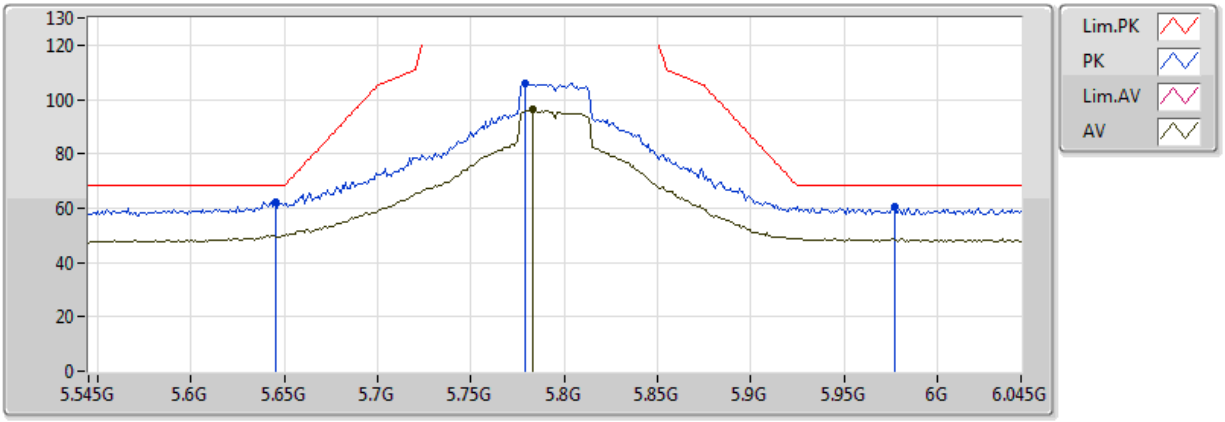


20170706
EUT Z 1TX
Setting 30
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.766G	86.35	Inf	-Inf	9.91	3	H	134	2.57	-
PK	5.646G	60.67	68.20	-7.53	9.89	3	H	134	2.57	-
PK	5.767G	96.94	Inf	-Inf	9.91	3	H	134	2.57	-
PK	5.965G	59.84	68.20	-8.36	10.15	3	H	134	2.57	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5795MHz_TX

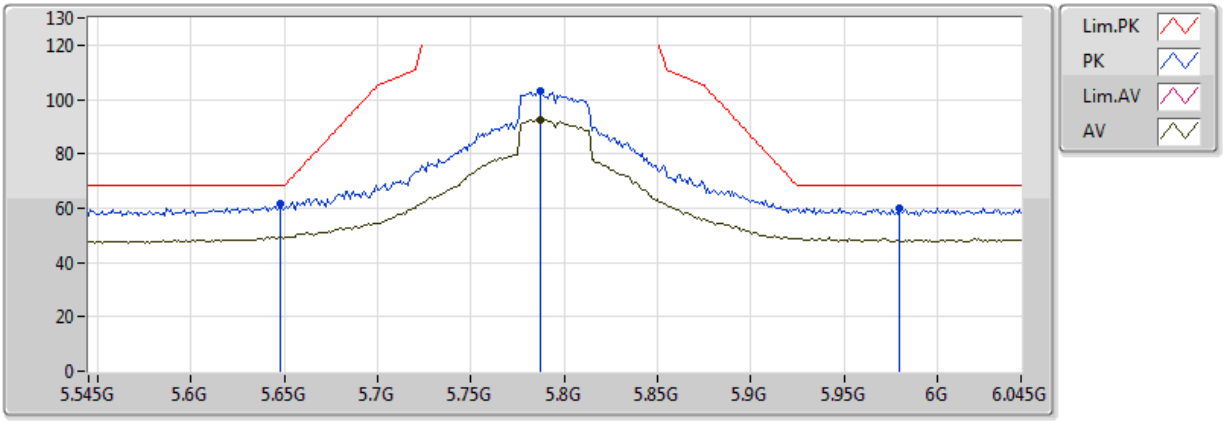


20170706
EUT Z1TX
Setting 30
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.783G	96.13	Inf	-Inf	9.92	3	V	319	1.83	-
PK	5.645G	62.29	68.20	-5.91	9.89	3	V	319	1.83	-
PK	5.779G	105.86	Inf	-Inf	9.92	3	V	319	1.83	-
PK	5.977G	60.50	68.20	-7.70	10.17	3	V	319	1.83	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5795MHz_TX

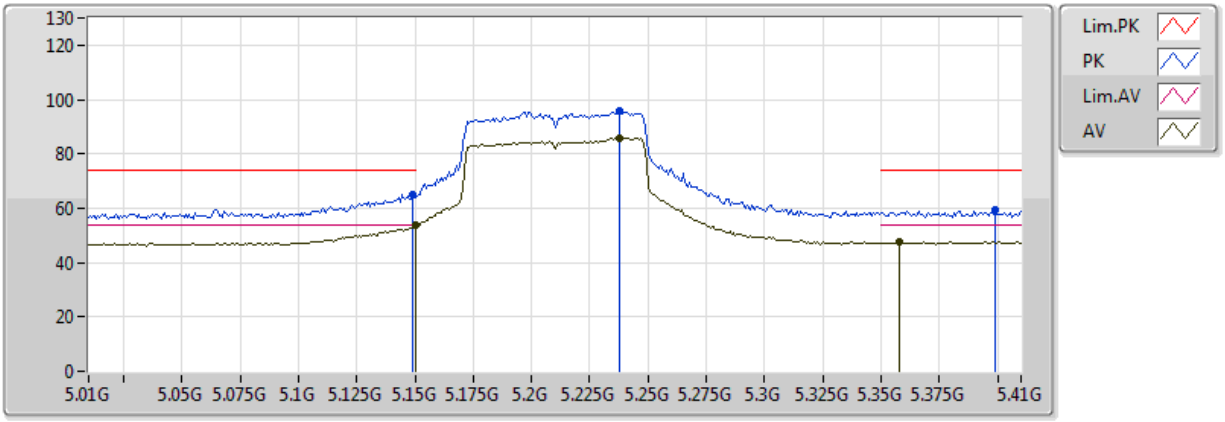


20170706
EUT Z 1TX
Setting 30
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.787G	92.48	Inf	-Inf	9.92	3	H	271	2.97	-
PK	5.648G	61.41	68.20	-6.79	9.89	3	H	271	2.97	-
PK	5.787G	103.33	Inf	-Inf	9.92	3	H	271	2.97	-
PK	5.98G	59.98	68.20	-8.22	10.17	3	H	271	2.97	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

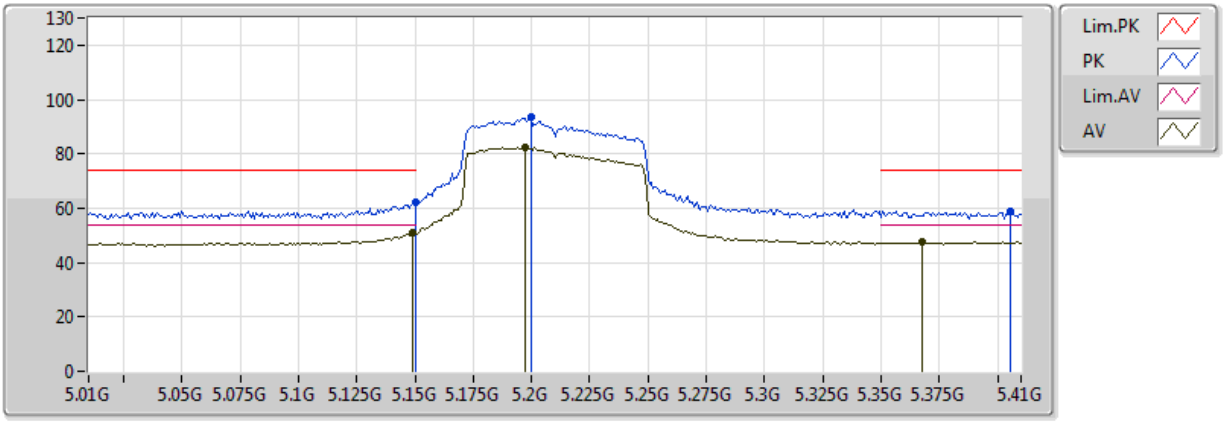


20170706
EUT Z 1TX
Setting 11.5
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.86	54.00	-0.14	9.03	3	V	327	1.92	-
AV	5.238G	85.97	Inf	-Inf	9.23	3	V	327	1.92	-
AV	5.358G	47.72	54.00	-6.28	9.45	3	V	327	1.92	-
PK	5.1492G	65.18	74.00	-8.82	9.03	3	V	327	1.92	-
PK	5.238G	95.67	Inf	-Inf	9.23	3	V	327	1.92	-
PK	5.3988G	59.47	74.00	-14.53	9.52	3	V	327	1.92	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

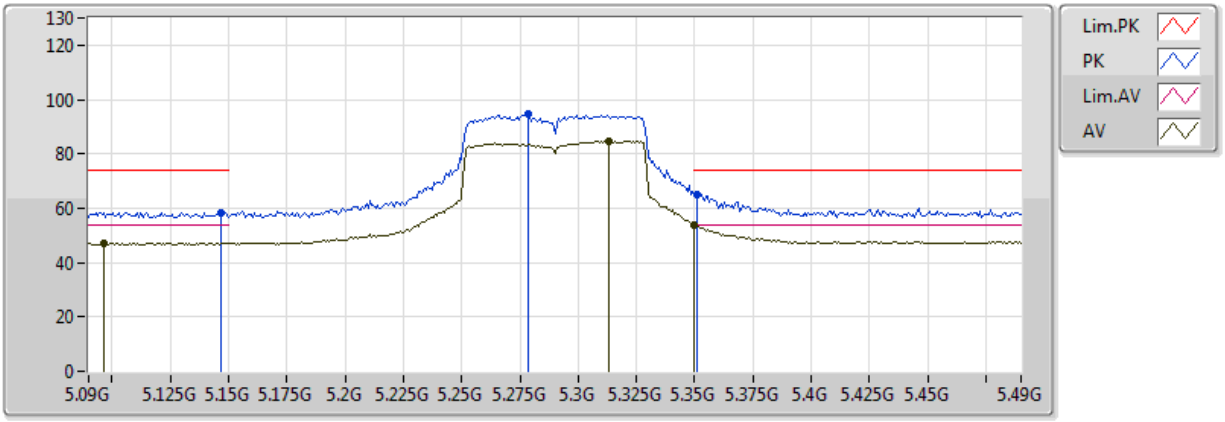


20170706
EUT Z 1TX
Setting 11.5
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1492G	50.85	54.00	-3.15	9.03	3	H	279	2.99	-
AV	5.1972G	82.56	Inf	-Inf	9.15	3	H	279	2.99	-
AV	5.3676G	47.80	54.00	-6.20	9.46	3	H	279	2.99	-
PK	5.149995G	62.00	74.00	-12.00	9.03	3	H	279	2.99	-
PK	5.1996G	93.48	Inf	-Inf	9.16	3	H	279	2.99	-
PK	5.4052G	58.84	74.00	-15.16	9.53	3	H	279	2.99	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5290MHz_TX

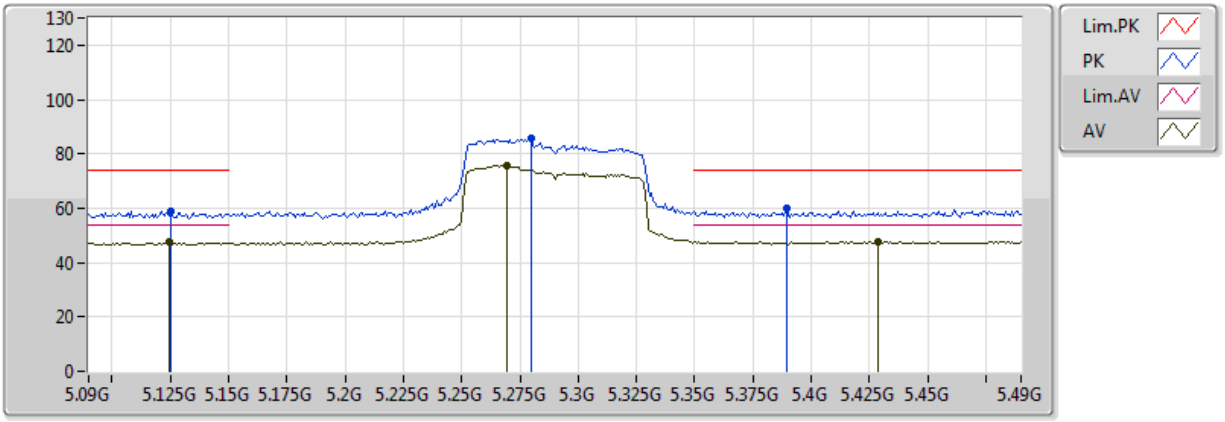


20170706
EUT Z 1TX
Setting 11
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.0964G	47.33	54.00	-6.67	8.90	3	V	325	1.78	-
AV	5.3132G	84.84	Inf	-Inf	9.37	3	V	325	1.78	-
AV	5.350005G	53.76	54.00	-0.24	9.44	3	V	325	1.78	-
PK	5.1468G	58.45	74.00	-15.55	9.03	3	V	325	1.78	-
PK	5.2788G	94.54	Inf	-Inf	9.31	3	V	325	1.78	-
PK	5.3508G	65.18	74.00	-8.82	9.44	3	V	325	1.78	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5290MHz_TX

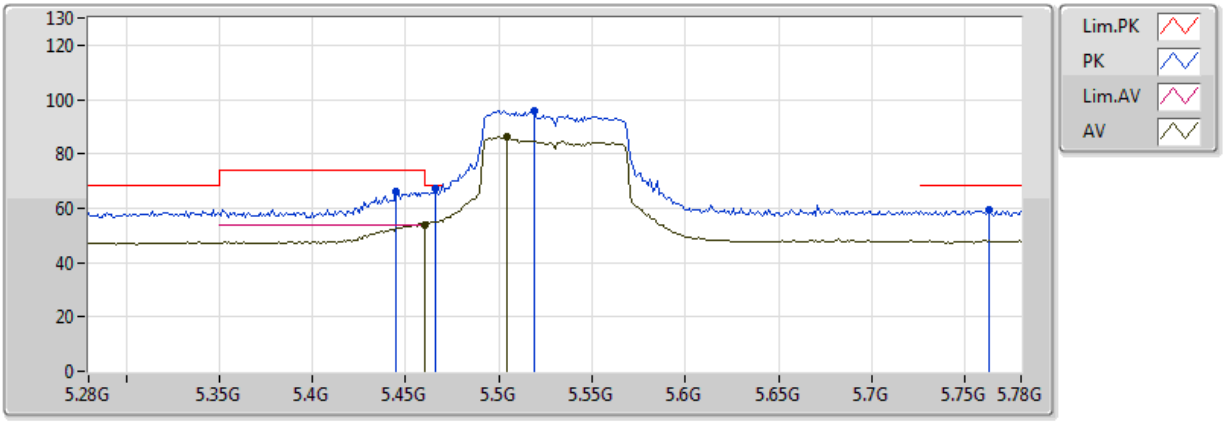


20170706
EUT Z 1TX
Setting 11
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1244G	47.40	54.00	-6.60	8.97	3	H	215	1.88	-
AV	5.2692G	75.84	Inf	-Inf	9.29	3	H	215	1.88	-
AV	5.4284G	47.77	54.00	-6.23	9.60	3	H	215	1.88	-
PK	5.1252G	58.95	74.00	-15.05	8.97	3	H	215	1.88	-
PK	5.2796G	85.66	Inf	-Inf	9.31	3	H	215	1.88	-
PK	5.3892G	60.19	74.00	-13.81	9.50	3	H	215	1.88	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5530MHz_TX

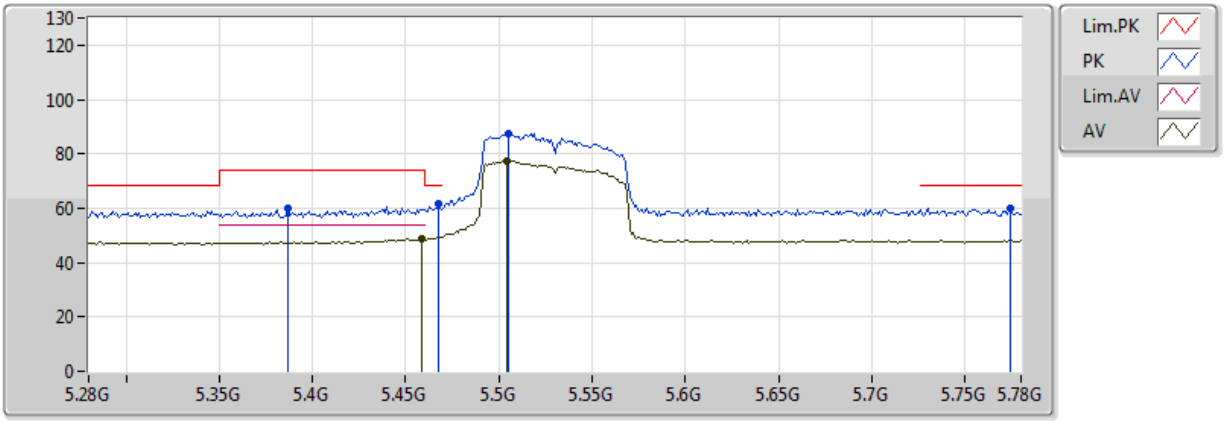


20170706
EUT Z 1TX
Setting 13
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	53.88	54.00	-0.12	9.68	3	V	324	1.89	-
AV	5.504G	86.14	Inf	-Inf	9.79	3	V	324	1.89	-
PK	5.445G	65.88	74.00	-8.12	9.64	3	V	324	1.89	-
PK	5.466G	67.14	68.20	-1.06	9.70	3	V	324	1.89	-
PK	5.519G	95.88	Inf	-Inf	9.81	3	V	324	1.89	-
PK	5.763G	59.12	68.20	-9.08	9.91	3	V	324	1.89	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5530MHz_TX

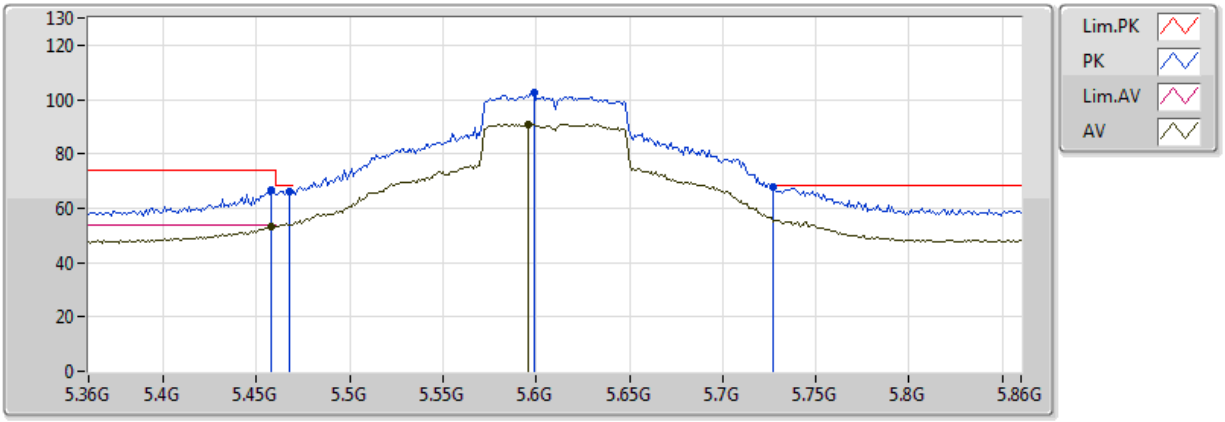


20170706
EUT Z 1TX
Setting 13
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.459G	48.72	54.00	-5.28	9.68	3	H	230	1.85	-
AV	5.504G	77.51	Inf	-Inf	9.79	3	H	230	1.85	-
PK	5.468G	61.85	68.20	-6.35	9.70	3	H	230	1.85	-
PK	5.505G	87.41	Inf	-Inf	9.79	3	H	230	1.85	-
PK	5.774G	60.05	68.20	-8.15	9.91	3	H	230	1.85	-
PK	5.387G	60.03	74.00	-13.97	9.50	3	H	230	1.85	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5610MHz_TX

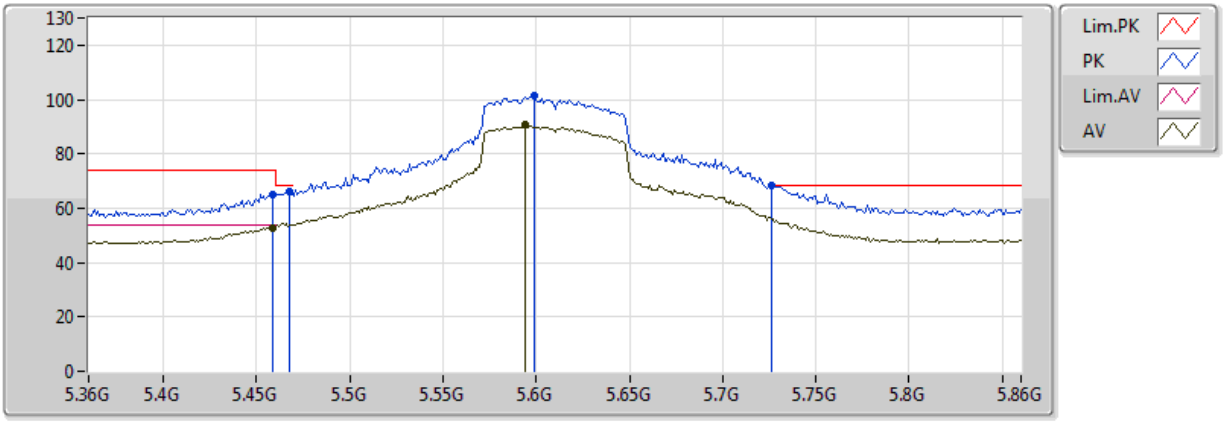


20170706
EUT Z 1TX
Setting 24.5
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.458G	53.37	54.00	-0.63	9.68	3	V	337	1.50	-
AV	5.596G	90.99	Inf	-Inf	9.88	3	V	337	1.50	-
PK	5.458G	66.91	74.00	-7.09	9.68	3	V	337	1.50	-
PK	5.468G	66.19	68.20	-2.01	9.70	3	V	337	1.50	-
PK	5.599G	102.43	Inf	-Inf	9.88	3	V	337	1.50	-
PK	5.727G	67.60	68.20	-0.60	9.91	3	V	337	1.50	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5610MHz_TX

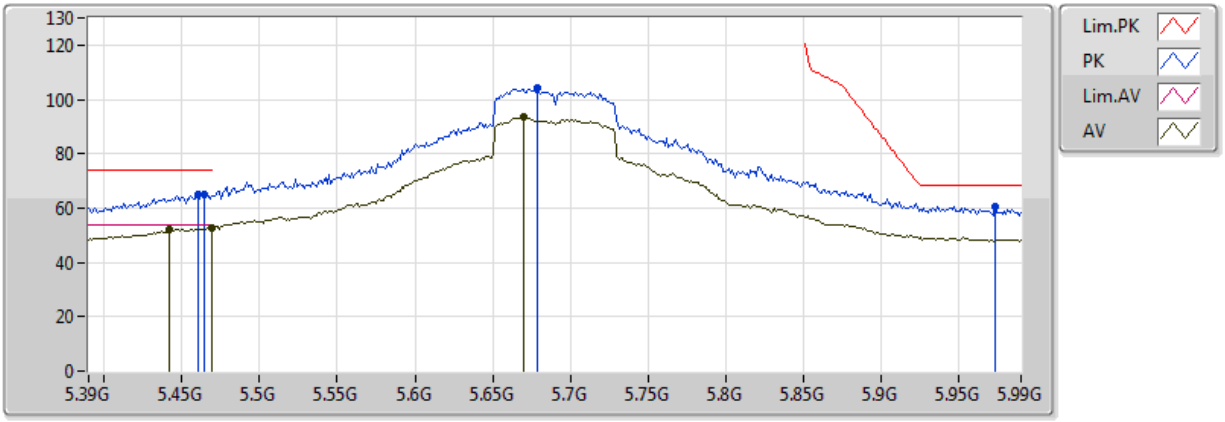


20170706
EUT Z 1TX
Setting 24.5
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.459G	52.85	54.00	-1.15	9.68	3	H	280	2.99	-
AV	5.594G	90.57	Inf	-Inf	9.87	3	H	280	2.99	-
PK	5.459G	64.92	74.00	-9.08	9.68	3	H	280	2.99	-
PK	5.468G	66.32	68.20	-1.88	9.70	3	H	280	2.99	-
PK	5.599G	101.69	Inf	-Inf	9.88	3	H	280	2.99	-
PK	5.726G	68.13	68.20	-0.07	9.91	3	H	280	2.99	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5690MHz Straddle 5.47-5.725GHz_TX

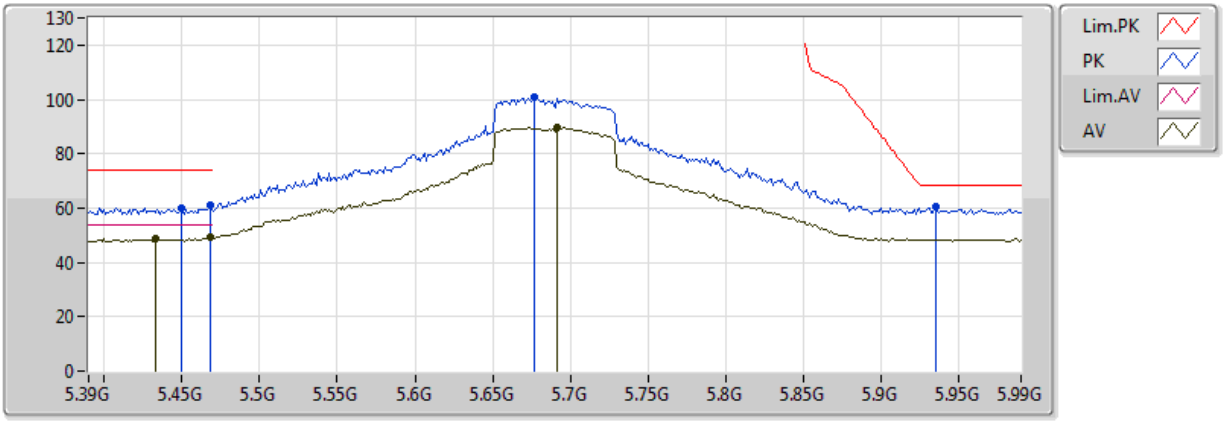


20170706
EUT Z 1TX
Setting 30
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4416G	52.02	54.00	-1.98	9.63	3	V	323	1.08	-
AV	5.4692G	52.51	54.00	-1.49	9.71	3	V	323	1.08	-
AV	5.6696G	93.40	Inf	-Inf	9.89	3	V	323	1.08	-
PK	5.459995G	65.00	74.00	-9.00	9.68	3	V	323	1.08	-
PK	5.4644G	65.25	74.00	-8.75	9.69	3	V	323	1.08	-
PK	5.6792G	104.02	Inf	-Inf	9.90	3	V	323	1.08	-
PK	5.9732G	60.67	68.20	-7.53	10.16	3	V	323	1.08	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5690MHz Straddle 5.47-5.725GHz_TX

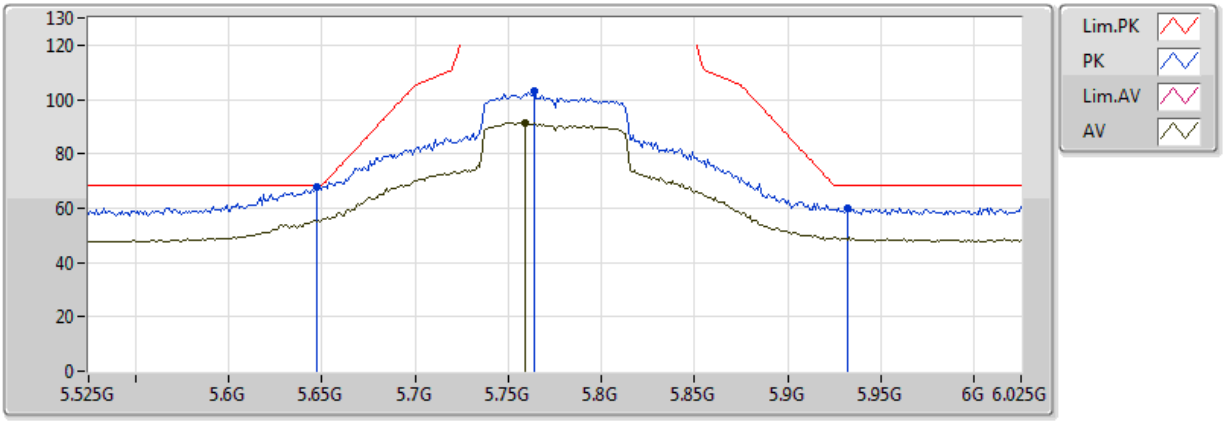


20170706
EUT Z 1TX
Setting 30
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4332G	48.87	54.00	-5.13	9.61	3	H	272	2.81	-
AV	5.468G	49.25	54.00	-4.75	9.70	3	H	272	2.81	-
AV	5.6912G	89.74	Inf	-Inf	9.90	3	H	272	2.81	-
PK	5.45G	60.18	74.00	-13.82	9.66	3	H	272	2.81	-
PK	5.468G	60.92	74.00	-13.08	9.70	3	H	272	2.81	-
PK	5.6768G	100.76	Inf	-Inf	9.90	3	H	272	2.81	-
PK	5.9348G	60.79	68.20	-7.41	10.11	3	H	272	2.81	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_TX

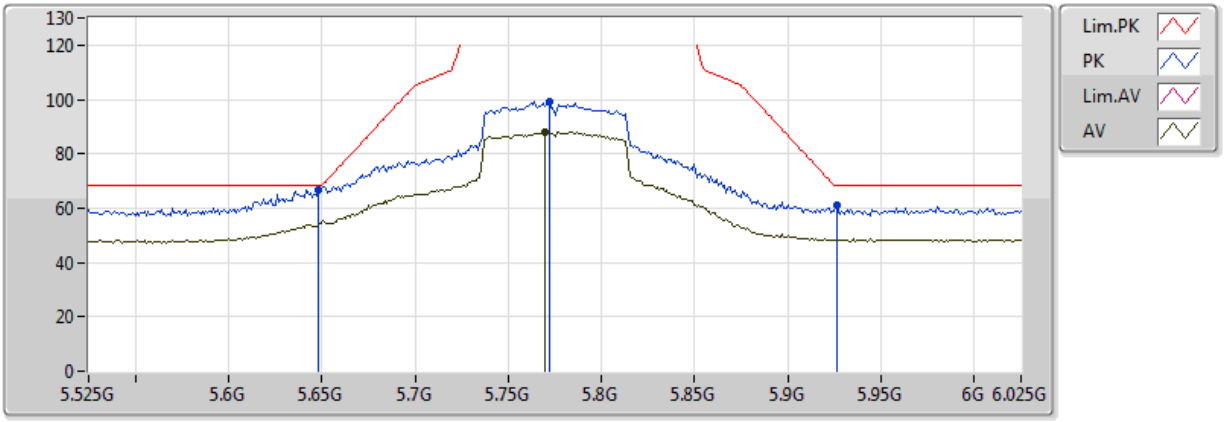


20170706
EUT Z 1TX
Setting 24.5
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.759G	91.41	Inf	-Inf	9.91	3	V	322	1.49	-
PK	5.647G	67.89	68.20	-0.31	9.89	3	V	322	1.49	-
PK	5.764G	102.95	Inf	-Inf	9.91	3	V	322	1.49	-
PK	5.932G	60.01	68.20	-8.19	10.10	3	V	322	1.49	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_TX



20170706
EUT Z 1TX
Setting 24.5
02-J-6-10
FSU(100015)
ANT Omni skynet DTO

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.77G	88.23	Inf	-Inf	9.91	3	H	300	2.58	-
PK	5.648G	66.79	68.20	-1.41	9.89	3	H	300	2.58	-
PK	5.772G	99.22	Inf	-Inf	9.91	3	H	300	2.58	-
PK	5.926G	61.06	68.20	-7.14	10.10	3	H	300	2.58	-

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

Frequency Stability Limit
UNII Devices
▪ In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
LE-LAN Devices
▪ N/A
IEEE Std. 802.11
▪ The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

3.6.2 Measuring Instruments

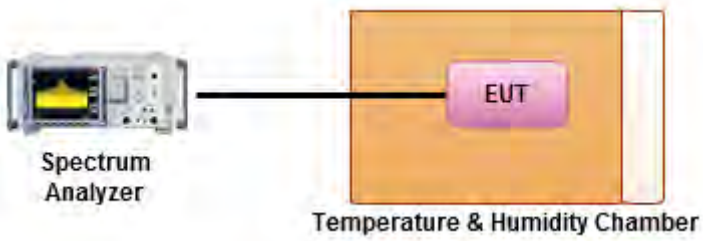
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
▪ Refer as ANSI C63.10, clause 6.8 for frequency stability tests	
	▪ Frequency stability with respect to ambient temperature
	▪ Frequency stability when varying supply voltage
	▪ Extreme temperature is 0˚C~40˚C.

3.6.4 Test Setup

Frequency Stability



3.6.5 Test Result of Frequency Stability

For Radio 2:
Mode: 20 MHz / Port 2
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9828	5199.9827	5199.9825	5199.9820
110.00	5199.9825	5199.9820	5199.9814	5199.9805
93.50	5199.9823	5199.9816	5199.9810	5199.9800
Max. Deviation (MHz)	0.0177	0.0184	0.0190	0.0200
Max. Deviation (ppm)	3.40	3.54	3.65	3.85
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5199.9816	5199.9812	5199.9803	5199.9801
10	5199.9818	5199.9810	5199.9805	5199.9804
20	5199.9825	5199.9819	5199.9809	5199.9803
30	5199.9912	5199.9906	5199.9904	5199.9897
40	5199.9923	5199.9916	5199.9907	5199.9904
Max. Deviation (MHz)	0.0216	0.0218	0.0224	0.0229
Max. Deviation (ppm)	4.15	4.19	4.31	4.40
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9829	5299.9824	5299.9816	5299.9808
110.00	5299.9825	5299.9818	5299.9808	5299.9807
93.50	5299.9819	5299.9809	5299.9804	5299.9797
Max. Deviation (MHz)	0.0181	0.0191	0.0196	0.0203
Max. Deviation (ppm)	3.42	3.60	3.70	3.83
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5299.9803	5299.9794	5299.9792	5299.9783
10	5299.9808	5299.9804	5299.9797	5299.9793
20	5299.9825	5299.9816	5299.9807	5299.9798
30	5299.9912	5299.9908	5299.9898	5299.9888
40	5299.9927	5299.9920	5299.9916	5299.9911
Max. Deviation (MHz)	0.0215	0.0217	0.0218	0.0221
Max. Deviation (ppm)	4.06	4.09	4.11	4.17
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9832	5579.9823	5579.9813	5579.9803
110.00	5579.9825	5579.9820	5579.9813	5579.9805
93.50	5579.9821	5579.9818	5579.9814	5579.9813
Max. Deviation (MHz)	0.0179	0.0182	0.0187	0.0197
Max. Deviation (ppm)	3.21	3.26	3.35	3.53
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5579.9812	5579.9805	5579.9801	5579.9797
10	5579.9816	5579.9809	5579.9800	5579.9796
20	5579.9825	5579.9822	5579.9820	5579.9815
30	5579.9912	5579.9904	5579.9900	5579.9890
40	5579.9922	5579.9921	5579.9911	5579.9910
Max. Deviation (MHz)	0.0207	0.0217	0.0219	0.0226
Max. Deviation (ppm)	3.71	3.89	3.92	4.05
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9827	5784.9820	5784.9811	5784.9803
110.00	5784.9825	5784.9824	5784.9818	5784.9812
93.50	5784.9819	5784.9815	5784.9814	5784.9813
Max. Deviation (MHz)	0.0181	0.0185	0.0189	0.0197
Max. Deviation (ppm)	3.13	3.20	3.27	3.41
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5784.9812	5784.9807	5784.9806	5784.9797
10	5784.9817	5784.9816	5784.9815	5784.9807
20	5784.9825	5784.9815	5784.9806	5784.9796
30	5784.9912	5784.9904	5784.9896	5784.9894
40	5784.9922	5784.9914	5784.9913	5784.9904
Max. Deviation (MHz)	0.0218	0.0220	0.0229	0.0232
Max. Deviation (ppm)	3.77	3.80	3.96	4.01
Result	Pass			

Mode: 40 MHz / Port 2
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9829	5189.9822	5189.9818	5189.9811
110.00	5189.9825	5189.9819	5189.9818	5189.9812
93.50	5189.9824	5189.9819	5189.9815	5189.9806
Max. Deviation (MHz)	0.0176	0.0181	0.0185	0.0194
Max. Deviation (ppm)	3.39	3.49	3.56	3.74
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5189.9799	5189.9793	5189.9785	5189.9779
10	5189.9811	5189.9803	5189.9801	5189.9794
20	5189.9825	5189.9820	5189.9814	5189.9807
30	5189.9912	5189.9908	5189.9904	5189.9901
40	5189.9921	5189.9911	5189.9902	5189.9901
Max. Deviation (MHz)	0.0236	0.0241	0.0242	0.0250
Max. Deviation (ppm)	4.55	4.64	4.66	4.82
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	**5310 MHz**			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5309.9827	5309.9823	5309.9818	5309.9817
110.00	5309.9825	5309.9815	5309.9805	5309.9804
93.50	5309.9815	5309.9806	5309.9797	5309.9792
Max. Deviation (MHz)	0.0185	0.0194	0.0203	0.0208
Max. Deviation (ppm)	3.48	3.65	3.82	3.92
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5309.9813	5309.9803	5309.9798	5309.9796
10	5309.9819	5309.9809	5309.9804	5309.9795
20	5309.9825	5309.9815	5309.9806	5309.9797
30	5309.9912	5309.9908	5309.9905	5309.9895
40	5309.9913	5309.9904	5309.9903	5309.9902
Max. Deviation (MHz)	0.0238	0.0244	0.0249	0.0257
Max. Deviation (ppm)	4.48	4.60	4.69	4.84
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9826	5549.9820	5549.9818	5549.9813
110.00	5549.9825	5549.9818	5549.9816	5549.9811
93.50	5549.9819	5549.9809	5549.9802	5549.9796
Max. Deviation (MHz)	0.0181	0.0191	0.0198	0.0204
Max. Deviation (ppm)	3.26	3.44	3.57	3.68
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5549.9808	5549.9806	5549.9798	5549.9789
10	5549.9813	5549.9804	5549.9803	5549.9793
20	5549.9825	5549.9815	5549.9806	5549.9800
30	5549.9912	5549.9911	5549.9904	5549.9897
40	5549.9930	5549.9923	5549.9914	5549.9907
Max. Deviation (MHz)	0.0239	0.0244	0.0247	0.0250
Max. Deviation (ppm)	4.31	4.40	4.45	4.50
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9830	5754.9828	5754.9819	5754.9816
110.00	5754.9825	5754.9815	5754.9813	5754.9811
93.50	5754.9823	5754.9816	5754.9807	5754.9804
Max. Deviation (MHz)	0.0177	0.0185	0.0193	0.0196
Max. Deviation (ppm)	3.08	3.21	3.35	3.41
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5754.9794	5754.9786	5754.9780	5754.9779
10	5754.9807	5754.9803	5754.9800	5754.9799
20	5754.9825	5754.9822	5754.9815	5754.9811
30	5754.9912	5754.9906	5754.9902	5754.9901
40	5754.9917	5754.9914	5754.9910	5754.9907
Max. Deviation (MHz)	0.0231	0.0235	0.0243	0.0246
Max. Deviation (ppm)	4.01	4.08	4.22	4.27
Result	Pass			

Mode: 80 MHz / Port 2
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9833	5209.9825	5209.9822	5209.9821
110.00	5209.9825	5209.9819	5209.9813	5209.9808
93.50	5209.9823	5209.9818	5209.9815	5209.9813
Max. Deviation (MHz)	0.0177	0.0182	0.0187	0.0192
Max. Deviation (ppm)	3.40	3.49	3.59	3.69
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5210 MHz			
	5209.9804	5209.9802	5209.9797	5209.9790
0	5209.9809	5209.9802	5209.9793	5209.9783
10	5209.9825	5209.9817	5209.9811	5209.9805
20	5209.9912	5209.9910	5209.9906	5209.9900
30	5209.9916	5209.9914	5209.9906	5209.9902
40	0.0224	0.0229	0.0239	0.0243
Max. Deviation (MHz)	4.30	4.40	4.59	4.66
Max. Deviation (ppm)	5209.9804	5209.9802	5209.9797	5209.9790
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	5289.9832	5289.9830	5289.9820	5289.9816
126.50	5289.9825	5289.9824	5289.9823	5289.9821
110.00	5289.9823	5289.9816	5289.9812	5289.9805
93.50	0.0177	0.0184	0.0188	0.0195
Max. Deviation (MHz)	3.35	3.48	3.55	3.69
Max. Deviation (ppm)	5289.9832	5289.9830	5289.9820	5289.9816
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5289.9811	5289.9806	5289.9797	5289.9792
10	5289.9812	5289.9802	5289.9798	5289.9790
20	5289.9825	5289.9820	5289.9817	5289.9814
30	5289.9912	5289.9904	5289.9900	5289.9899
40	5289.9928	5289.9927	5289.9917	5289.9916
Max. Deviation (MHz)	0.0217	0.0218	0.0225	0.0235
Max. Deviation (ppm)	4.10	4.12	4.25	4.44
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5529.9831	5529.9821	5529.9818	5529.9809
110.00	5529.9825	5529.9821	5529.9816	5529.9810
93.50	5529.9815	5529.9808	5529.9802	5529.9795
Max. Deviation (MHz)	0.0185	0.0192	0.0198	0.0205
Max. Deviation (ppm)	3.35	3.47	3.58	3.71
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5529.9807	5529.9804	5529.9800	5529.9799
10	5529.9818	5529.9808	5529.9803	5529.9799
20	5529.9825	5529.9820	5529.9816	5529.9814
30	5529.9912	5529.9910	5529.9905	5529.9898
40	5529.9923	5529.9915	5529.9909	5529.9905
Max. Deviation (MHz)	0.0226	0.0230	0.0231	0.0232
Max. Deviation (ppm)	4.09	4.16	4.18	4.20
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9831	5774.9826	5774.9825	5774.9823
110.00	5774.9825	5774.9820	5774.9818	5774.9816
93.50	5774.9815	5774.9812	5774.9805	5774.9799
Max. Deviation (MHz)	0.0185	0.0188	0.0195	0.0201
Max. Deviation (ppm)	3.20	3.26	3.38	3.48
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5774.9804	5774.9801	5774.9797	5774.9790
10	5774.9817	5774.9807	5774.9797	5774.9795
20	5774.9825	5774.9817	5774.9807	5774.9801
30	5774.9912	5774.9910	5774.9900	5774.9898
40	5774.9918	5774.9908	5774.9900	5774.9896
Max. Deviation (MHz)	0.0227	0.0234	0.0244	0.0254
Max. Deviation (ppm)	3.93	4.05	4.23	4.40
Result	Pass			

For Radio 3
Mode: 20 MHz / Port 1
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9868	5199.9865	5199.9860	5199.9858
110.00	5199.9866	5199.9858	5199.9849	5199.9840
93.50	5199.9865	5199.9863	5199.9856	5199.9850
Max. Deviation (MHz)	0.0135	0.0142	0.0151	0.0160
Max. Deviation (ppm)	2.60	2.73	2.90	3.08
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5199.9856	5199.9848	5199.9845	5199.9841
10	5199.9857	5199.9850	5199.9846	5199.9838
20	5199.9866	5199.9864	5199.9859	5199.9858
30	5199.9893	5199.9885	5199.9876	5199.9870
40	5199.9895	5199.9891	5199.9888	5199.9880
Max. Deviation (MHz)	0.0167	0.0177	0.0184	0.0188
Max. Deviation (ppm)	3.21	3.40	3.54	3.62
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9869	5299.9861	5299.9856	5299.9854
110.00	5299.9866	5299.9862	5299.9861	5299.9859
93.50	5299.9864	5299.9855	5299.9846	5299.9845
Max. Deviation (MHz)	0.0136	0.0145	0.0154	0.0155
Max. Deviation (ppm)	2.57	2.74	2.91	2.92
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5299.9837	5299.9832	5299.9825	5299.9820
10	5299.9851	5299.9844	5299.9840	5299.9832
20	5299.9866	5299.9863	5299.9862	5299.9853
30	5299.9893	5299.9890	5299.9881	5299.9875
40	5299.9912	5299.9910	5299.9900	5299.9895
Max. Deviation (MHz)	0.0180	0.0185	0.0189	0.0195
Max. Deviation (ppm)	3.40	3.49	3.57	3.68
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9872	5579.9862	5579.9860	5579.9853
110.00	5579.9866	5579.9862	5579.9859	5579.9849
93.50	5579.9863	5579.9854	5579.9852	5579.9842
Max. Deviation (MHz)	0.0137	0.0146	0.0148	0.0158
Max. Deviation (ppm)	2.46	2.62	2.65	2.83
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5579.9849	5579.9842	5579.9833	5579.9823
10	5579.9851	5579.9847	5579.9838	5579.9831
20	5579.9866	5579.9859	5579.9852	5579.9843
30	5579.9893	5579.9886	5579.9879	5579.9872
40	5579.9910	5579.9905	5579.9898	5579.9891
Max. Deviation (MHz)	0.0181	0.0189	0.0193	0.0201
Max. Deviation (ppm)	3.24	3.39	3.46	3.60
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9876	5784.9872	5784.9867	5784.9865
110.00	5784.9866	5784.9856	5784.9850	5784.9848
93.50	5784.9857	5784.9851	5784.9842	5784.9837
Max. Deviation (MHz)	0.0143	0.0149	0.0158	0.0163
Max. Deviation (ppm)	2.47	2.58	2.73	2.82
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5784.9859	5784.9856	5784.9849	5784.9844
10	5784.9863	5784.9861	5784.9856	5784.9853
20	5784.9866	5784.9856	5784.9851	5784.9849
30	5784.9893	5784.9885	5784.9882	5784.9881
40	5784.9905	5784.9895	5784.9888	5784.9881
Max. Deviation (MHz)	0.0159	0.0165	0.0173	0.0180
Max. Deviation (ppm)	2.75	2.85	2.99	3.11
Result	Pass			

Mode: 40 MHz / Port 1
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9871	5189.9861	5189.9860	5189.9859
110.00	5189.9866	5189.9860	5189.9857	5189.9850
93.50	5189.9856	5189.9854	5189.9853	5189.9848
Max. Deviation (MHz)	0.0144	0.0146	0.0147	0.0152
Max. Deviation (ppm)	2.77	2.81	2.83	2.93
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5189.9866	5189.9858	5189.9853	5189.9849
10	5189.9893	5189.9885	5189.9880	5189.9879
20	5189.9897	5189.9887	5189.9883	5189.9880
30	5189.9885	5189.9877	5189.9872	5189.9862
40	5189.9900	5189.9896	5189.9895	5189.9886
Max. Deviation (MHz)	0.0158	0.0165	0.0171	0.0172
Max. Deviation (ppm)	3.04	3.18	3.29	3.31
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	**5310 MHz**			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5309.9876	5309.9866	5309.9864	5309.9854
110.00	5309.9866	5309.9859	5309.9855	5309.9848
93.50	5309.9859	5309.9857	5309.9854	5309.9845
Max. Deviation (MHz)	0.0141	0.0143	0.0146	0.0155
Max. Deviation (ppm)	2.66	2.69	2.75	2.92
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5309.9866	5309.9858	5309.9848	5309.9841
10	5309.9893	5309.9887	5309.9878	5309.9875
20	5309.9913	5309.9904	5309.9902	5309.9898
30	5309.9876	5309.9871	5309.9862	5309.9854
40	5309.9902	5309.9900	5309.9891	5309.9887
Max. Deviation (MHz)	0.0166	0.0174	0.0180	0.0189
Max. Deviation (ppm)	3.13	3.28	3.39	3.56
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9867	5549.9857	5549.9848	5549.9842
110.00	5549.9866	5549.9865	5549.9863	5549.9859
93.50	5549.9861	5549.9853	5549.9851	5549.9849
Max. Deviation (MHz)	0.0139	0.0147	0.0152	0.0158
Max. Deviation (ppm)	2.50	2.65	2.74	2.85
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5549.9866	5549.9860	5549.9854	5549.9849
10	5549.9893	5549.9884	5549.9882	5549.9872
20	5549.9896	5549.9892	5549.9884	5549.9882
30	5549.9882	5549.9879	5549.9870	5549.9865
40	5549.9904	5549.9898	5549.9891	5549.9885
Max. Deviation (MHz)	0.0171	0.0175	0.0179	0.0182
Max. Deviation (ppm)	3.08	3.15	3.23	3.28
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9874	5754.9864	5754.9863	5754.9856
110.00	5754.9866	5754.9856	5754.9854	5754.9849
93.50	5754.9856	5754.9853	5754.9849	5754.9845
Max. Deviation (MHz)	0.0144	0.0147	0.0151	0.0155
Max. Deviation (ppm)	2.50	2.55	2.62	2.69
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5754.9866	5754.9860	5754.9853	5754.9846
10	5754.9893	5754.9886	5754.9879	5754.9877
20	5754.9894	5754.9891	5754.9887	5754.9880
30	5754.9873	5754.9864	5754.9861	5754.9858
40	5754.9911	5754.9909	5754.9900	5754.9892
Max. Deviation (MHz)	0.0167	0.0170	0.0176	0.0177
Max. Deviation (ppm)	2.90	2.95	3.06	3.08
Result	Pass			

Mode: 80 MHz / Port 1
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9876	5209.9866	5209.9861	5209.9853
110.00	5209.9866	5209.9863	5209.9853	5209.9849
93.50	5209.9860	5209.9859	5209.9858	5209.9854
Max. Deviation (MHz)	0.0140	0.0141	0.0147	0.0151
Max. Deviation (ppm)	2.69	2.71	2.82	2.90
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5209.9852	5209.9842	5209.9840	5209.9835
10	5209.9866	5209.9859	5209.9855	5209.9853
20	5209.9893	5209.9892	5209.9888	5209.9879
30	5209.9913	5209.9906	5209.9897	5209.9888
40	5209.9884	5209.9881	5209.9872	5209.9867
Max. Deviation (MHz)	0.0183	0.0192	0.0199	0.0206
Max. Deviation (ppm)	3.51	3.69	3.82	3.95
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5289.9869	5289.9866	5289.9865	5289.9860
110.00	5289.9866	5289.9857	5289.9855	5289.9846
93.50	5289.9865	5289.9858	5289.9851	5289.9843
Max. Deviation (MHz)	0.0135	0.0143	0.0149	0.0157
Max. Deviation (ppm)	2.55	2.70	2.82	2.97
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5289.9862	5289.9852	5289.9842	5289.9837
10	5289.9866	5289.9862	5289.9859	5289.9849
20	5289.9893	5289.9892	5289.9889	5289.9887
30	5289.9900	5289.9891	5289.9883	5289.9874
40	5289.9867	5289.9861	5289.9860	5289.9850
Max. Deviation (MHz)	0.0173	0.0174	0.0179	0.0187
Max. Deviation (ppm)	3.27	3.29	3.38	3.53
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5529.9876	5529.9866	5529.9862	5529.9859
110.00	5529.9866	5529.9862	5529.9855	5529.9847
93.50	5529.9860	5529.9850	5529.9843	5529.9834
Max. Deviation (MHz)	0.0140	0.0150	0.0157	0.0166
Max. Deviation (ppm)	2.53	2.71	2.84	3.00
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5529.9853	5529.9846	5529.9844	5529.9841
10	5529.9866	5529.9863	5529.9855	5529.9850
20	5529.9893	5529.9889	5529.9888	5529.9882
30	5529.9903	5529.9902	5529.9895	5529.9893
40	5529.9872	5529.9862	5529.9860	5529.9855
Max. Deviation (MHz)	0.0166	0.0173	0.0177	0.0181
Max. Deviation (ppm)	3.00	3.13	3.20	3.27
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9872	5774.9869	5774.9864	5774.9858
110.00	5774.9866	5774.9858	5774.9856	5774.9855
93.50	5774.9856	5774.9847	5774.9841	5774.9834
Max. Deviation (MHz)	0.0144	0.0153	0.0159	0.0166
Max. Deviation (ppm)	2.49	2.65	2.75	2.87
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5774.9865	5774.9857	5774.9856	5774.9853
10	5774.9866	5774.9864	5774.9860	5774.9853
20	5774.9893	5774.9884	5774.9876	5774.9867
30	5774.9900	5774.9892	5774.9889	5774.9881
40	5774.9876	5774.9867	5774.9861	5774.9858
Max. Deviation (MHz)	0.0151	0.0155	0.0162	0.0165
Max. Deviation (ppm)	2.61	2.68	2.81	2.86
Result	Pass			

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 23, 2017	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 14, 2016	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 21, 2016	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 23, 2017	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2016	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 16, 2017	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jun. 28, 2016	Radiation (03CH01-CB)
Amplifier	-	-	TF-130N-R1	26GHz ~ 40GHz	Jun. 20, 2017	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)

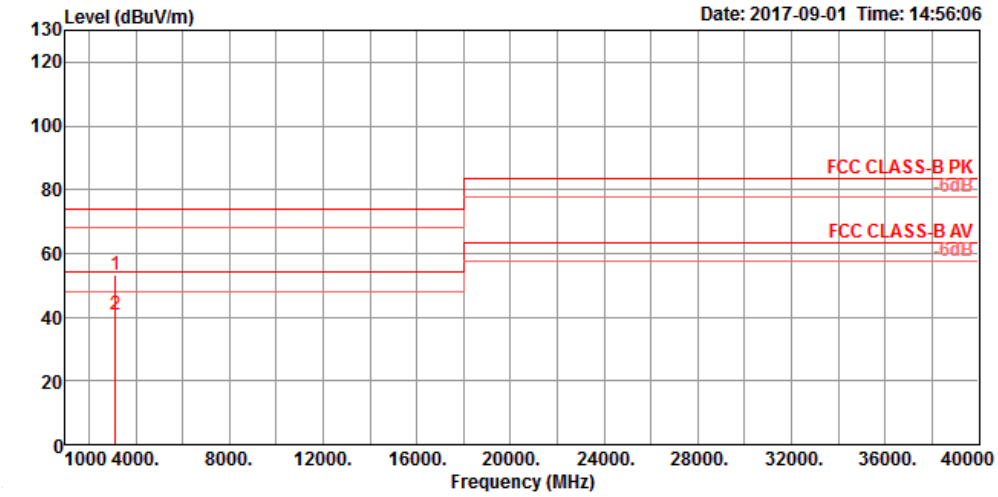
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Test Software	Audix	E3	6.2009-l0-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2016	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

"*" Calibration Interval of instruments listed above is two years.

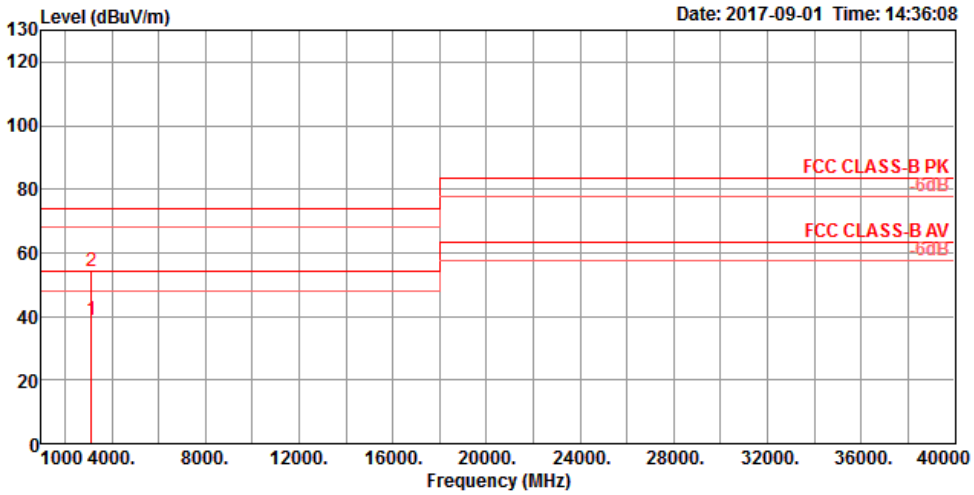
N.C.R. means Non-Calibration required.

RSE Co-location Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link (Radio 1 + Radio 2)		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	3147.67	53.24	74.00	-20.76	51.74	6.96	28.43	33.89	100	223	Peak	HORIZONTAL
2	3147.88	41.01	54.00	-12.99	39.51	6.96	28.43	33.89	100	223	Average	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link (Radio 1 + Radio 2)		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	3149.00	38.81	54.00	-15.19	37.31	6.96	28.43	33.89	100	344	Average	VERTICAL
2	3149.00	54.24	74.00	-19.76	52.74	6.96	28.43	33.89	100	344	Peak	VERTICAL