

Report No.: AAEMT/RF/250311-01

64 QAM



256 QAM

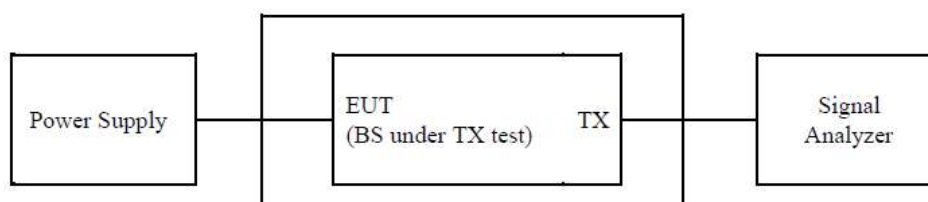


5.5 PEAK TO AVERAGE RATIO

1.14.1 Limits of Peak to Average Ratio Measurement

IN MEASURING TRANSMISSIONS IN THIS BAND USING AN AVERAGE POWER TECHNIQUE, THE PEAK TO-AVERAGE RATIO (PAR) OF THE TRANSMISSION MAY NOT EXCEED 13 DB.

1.14.2 Test Setup



1.14.3 Test Procedures

1. SET RESOLUTION/MEASUREMENT BANDWIDTH $\geq$ SIGNAL'S OCCUPIED BANDWIDTH;
2. SET THE NUMBER OF COUNTS TO A VALUE THAT STABILIZES THE MEASURED CCDF CURVE;
3. RECORD THE MAXIMUM PAPR LEVEL ASSOCIATED WITH A PROBABILITY OF 0.1 %.

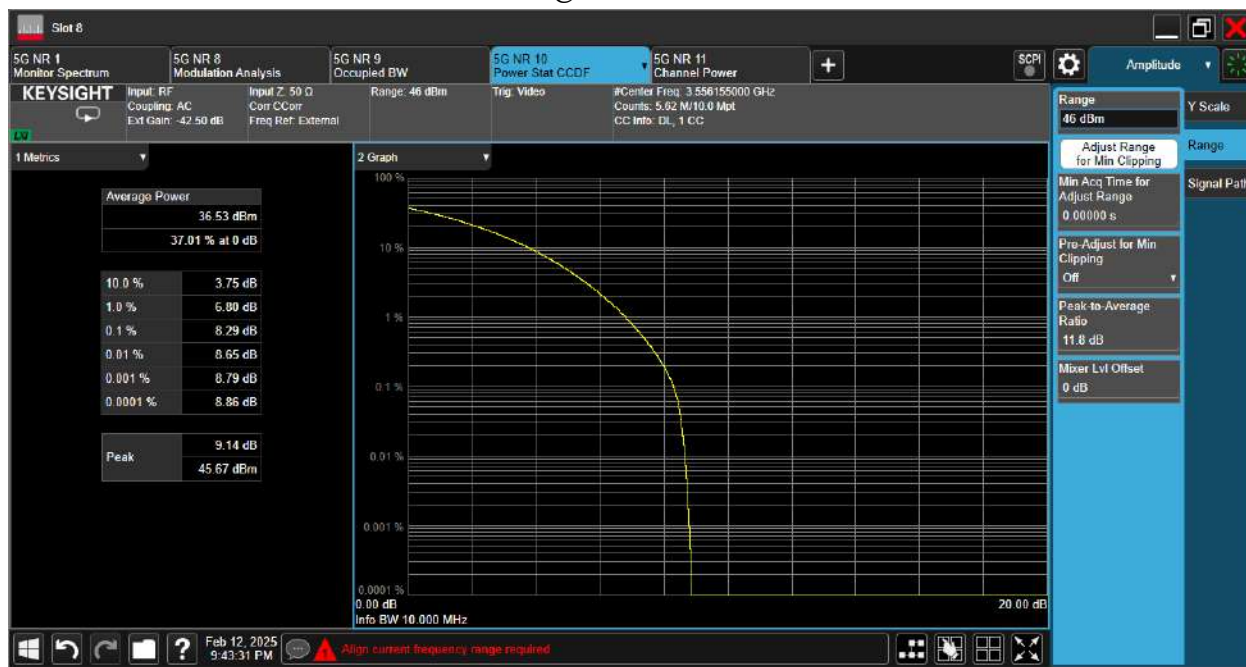
1.14.4 Test Result

Frequency (MHz)	Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
3556.150	10	8.65	≤ 13.00	Pass
3625.005	10	8.59	≤ 13.00	Pass
3693.720	10	8.65	≤ 13.00	Pass
3560.760	20	8.52	≤ 13.00	Pass
3625.005	20	8.45	≤ 13.00	Pass
3689.220	20	8.44	≤ 13.00	Pass
3570.765	40	8.84	≤ 13.00	Pass
3625.005	40	8.75	≤ 13.00	Pass
3679.245	40	8.90	≤ 13.00	Pass
3590.565	80	8.86	≤ 13.00	Pass
3625.005	80	8.74	≤ 13.00	Pass
3659.430	80	8.82	≤ 13.00	Pass
3600.570	100	8.79	≤ 13.00	Pass
3625.005	100	8.74	≤ 13.00	Pass
3649.485	100	8.88	≤ 13.00	Pass

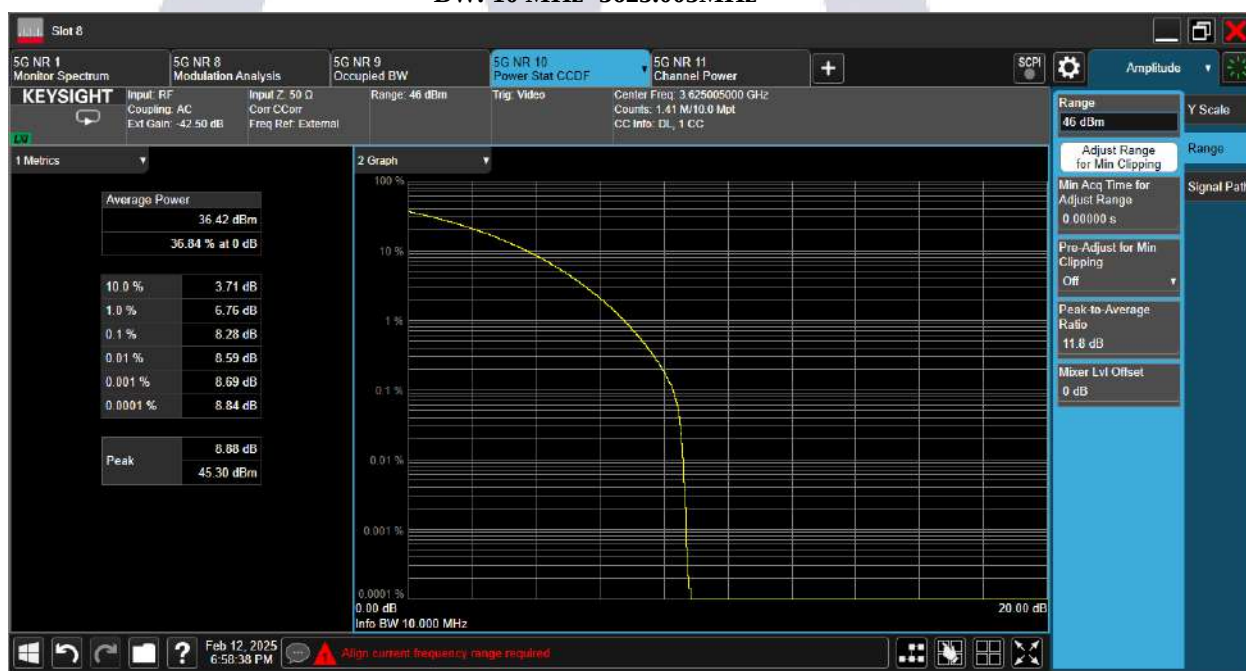
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Test Plots

10 MHz @3556.150MHz

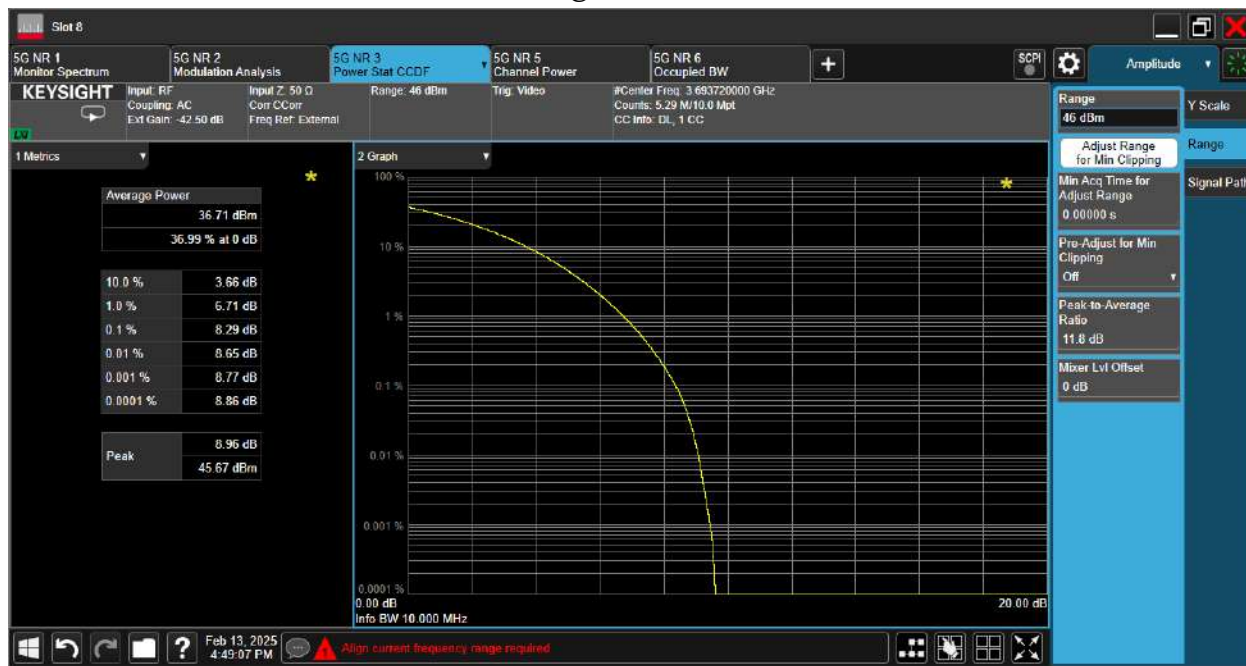


BW: 10 MHz- 3625.005MHz

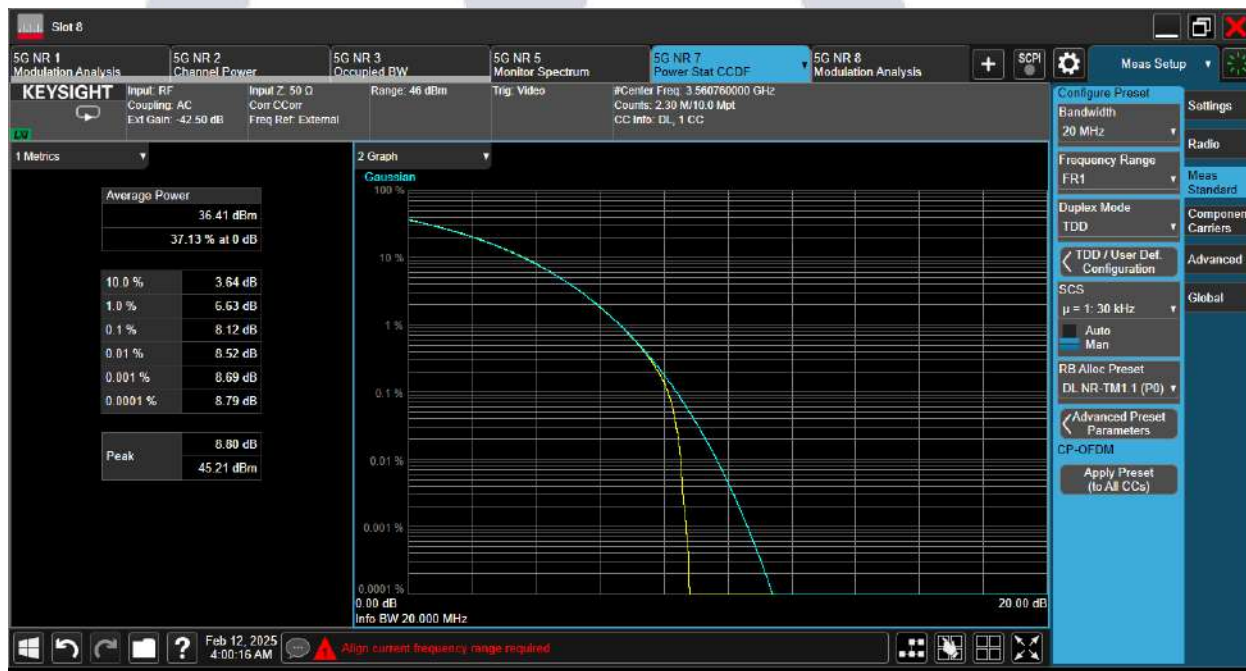


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BM 10MHz@ 3693.720MHz

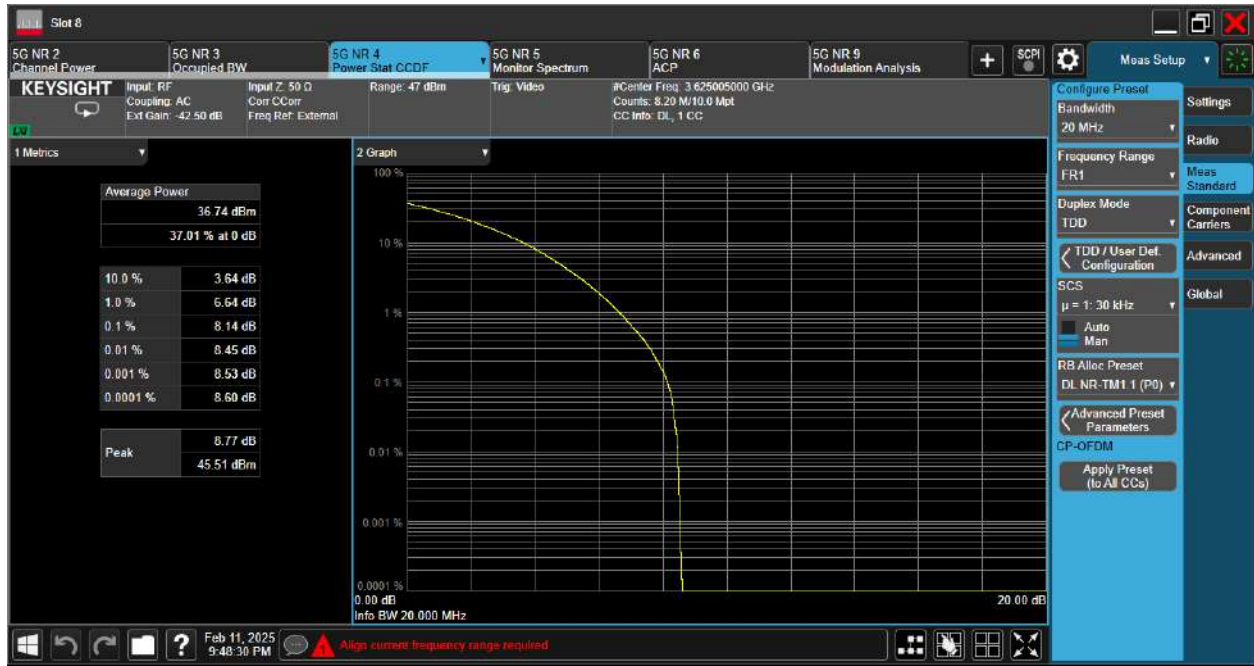


BW:20MHz@3560.760MHz

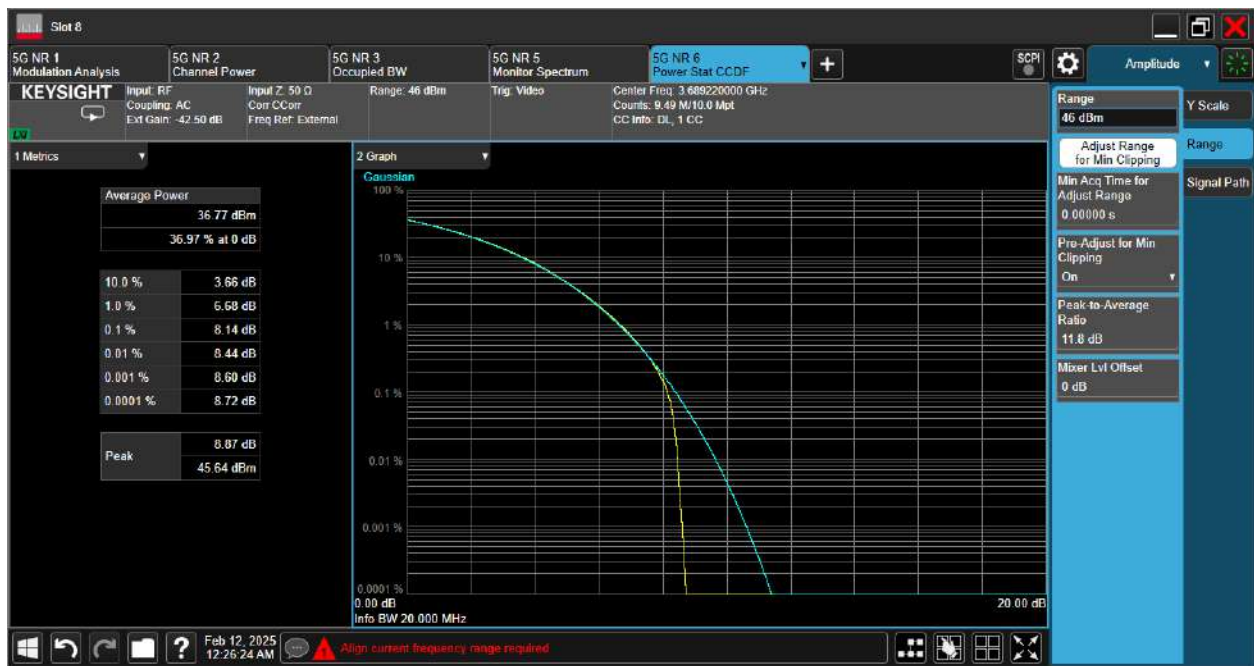


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BW:20MHz@3625.005MHz

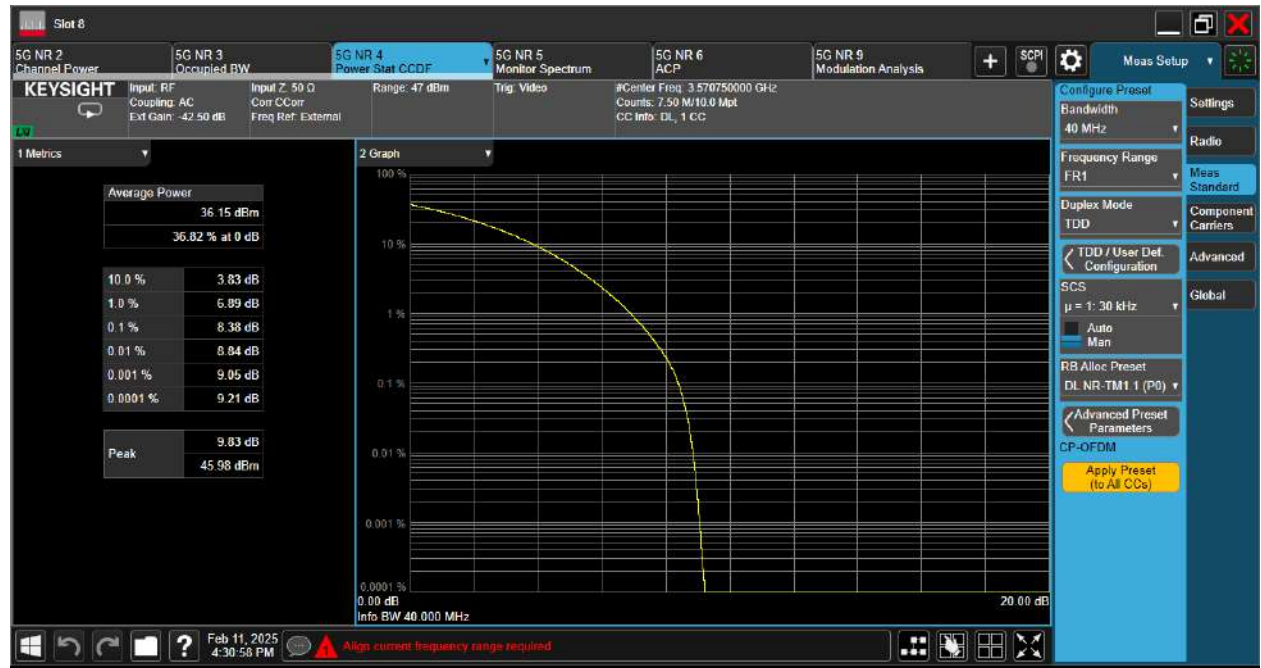


BW:20MHz@3689.220MHz

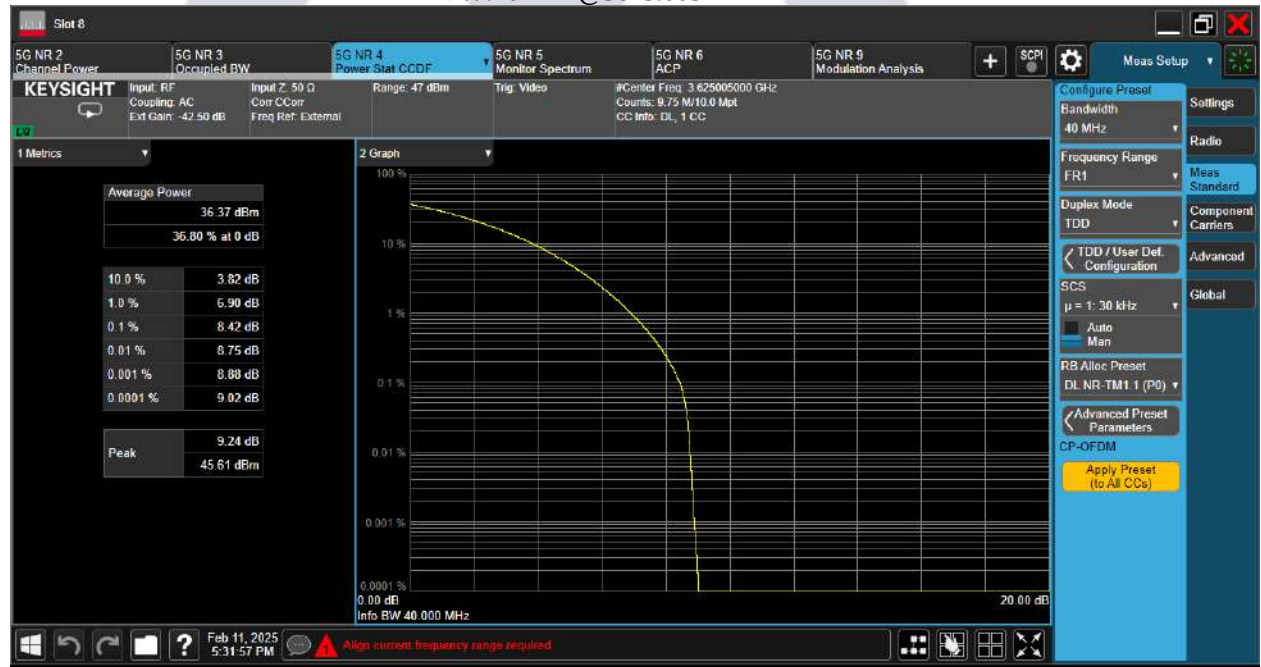


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BW:40MHz@3570.765MHz

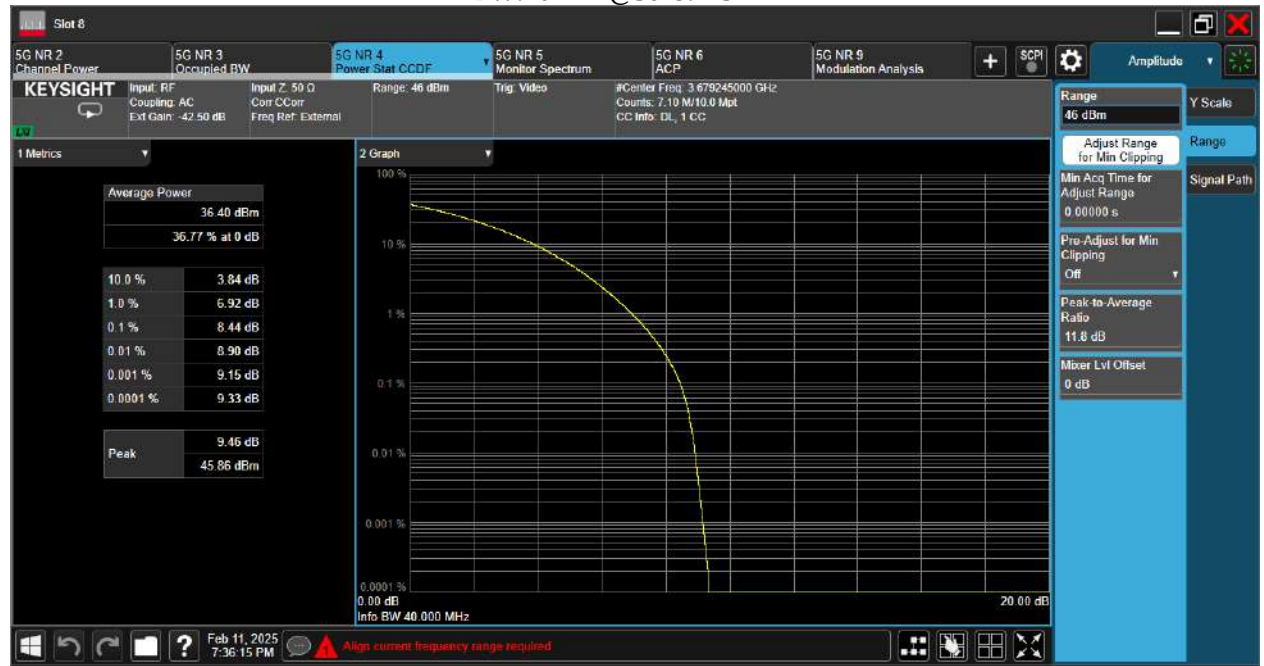


BW:40MHz@3625.005MHz

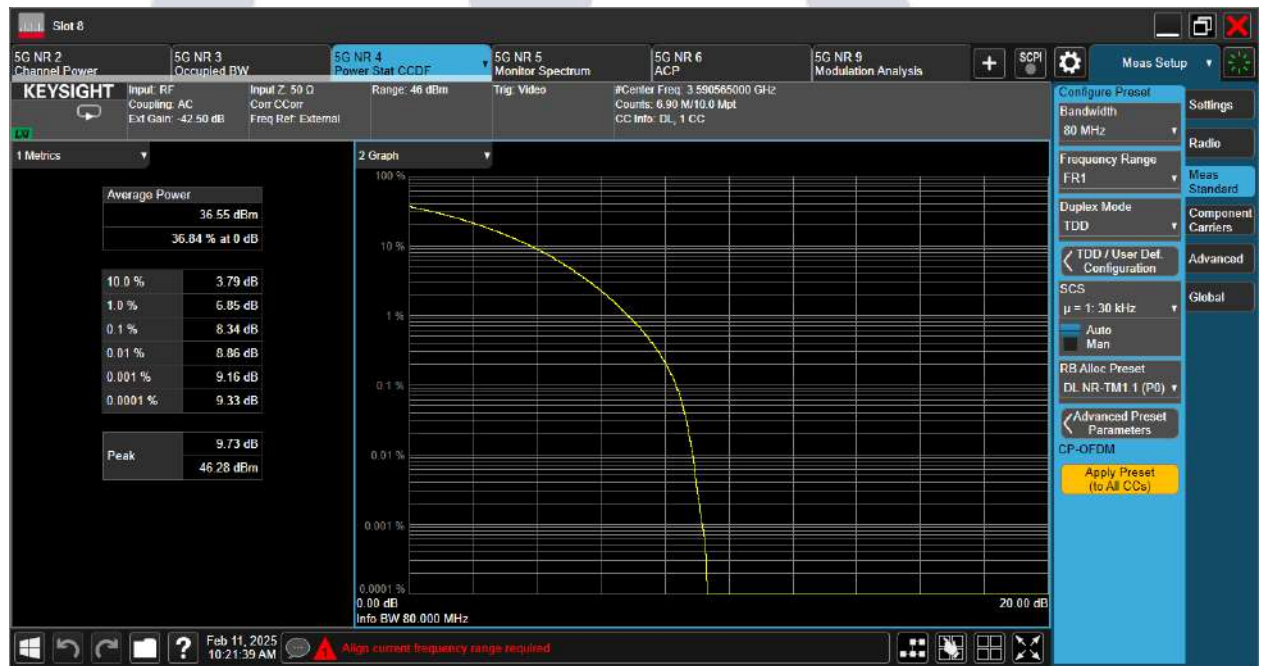


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BW:40MHz@3679.245 MHz

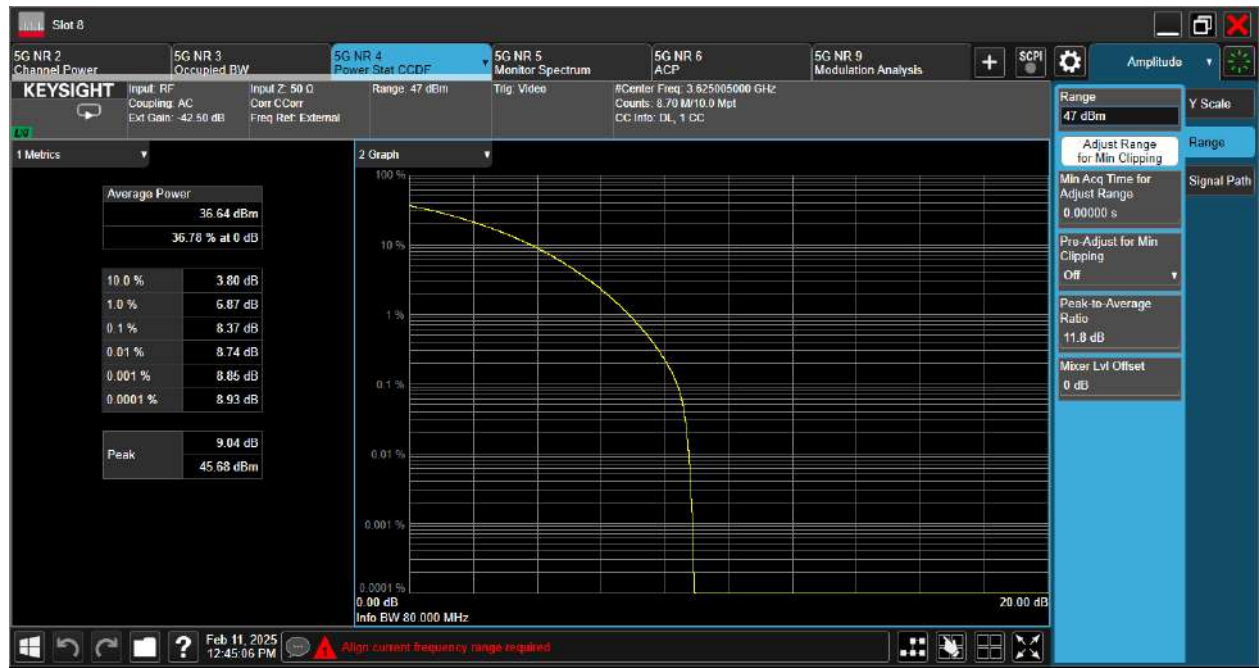


BW:80MHz@3590.565 MHz

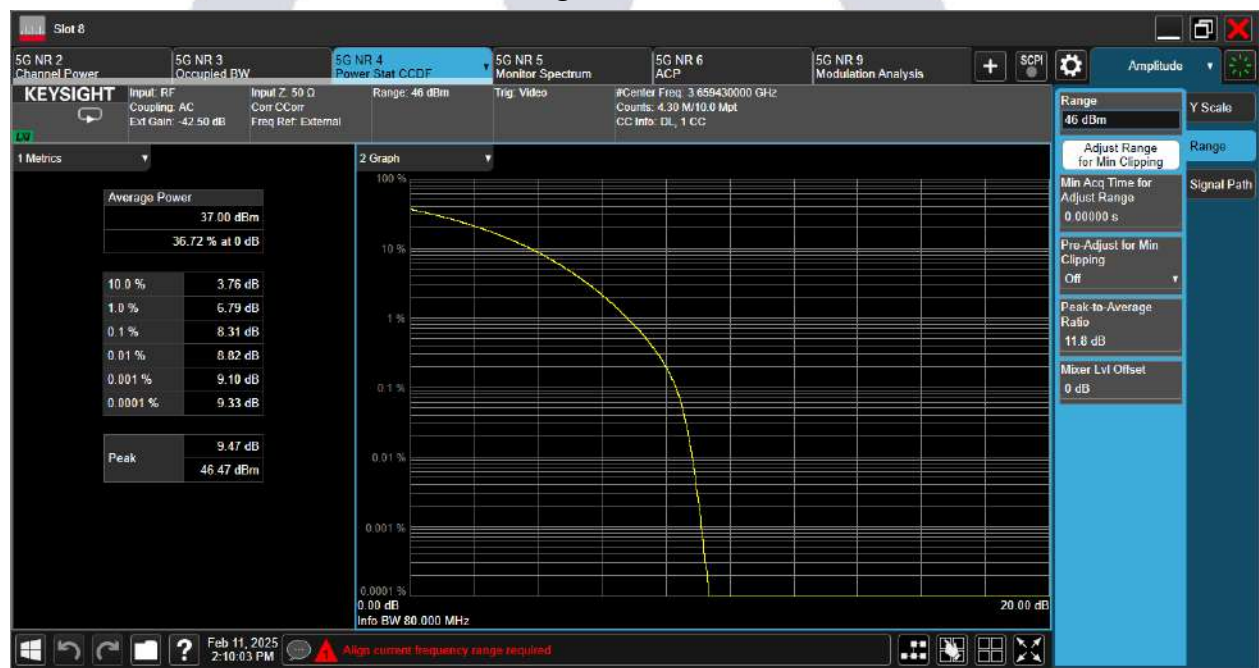


Report No.: AAEMT/RF/250311-01

BW:80MHz@3625.005 MHz

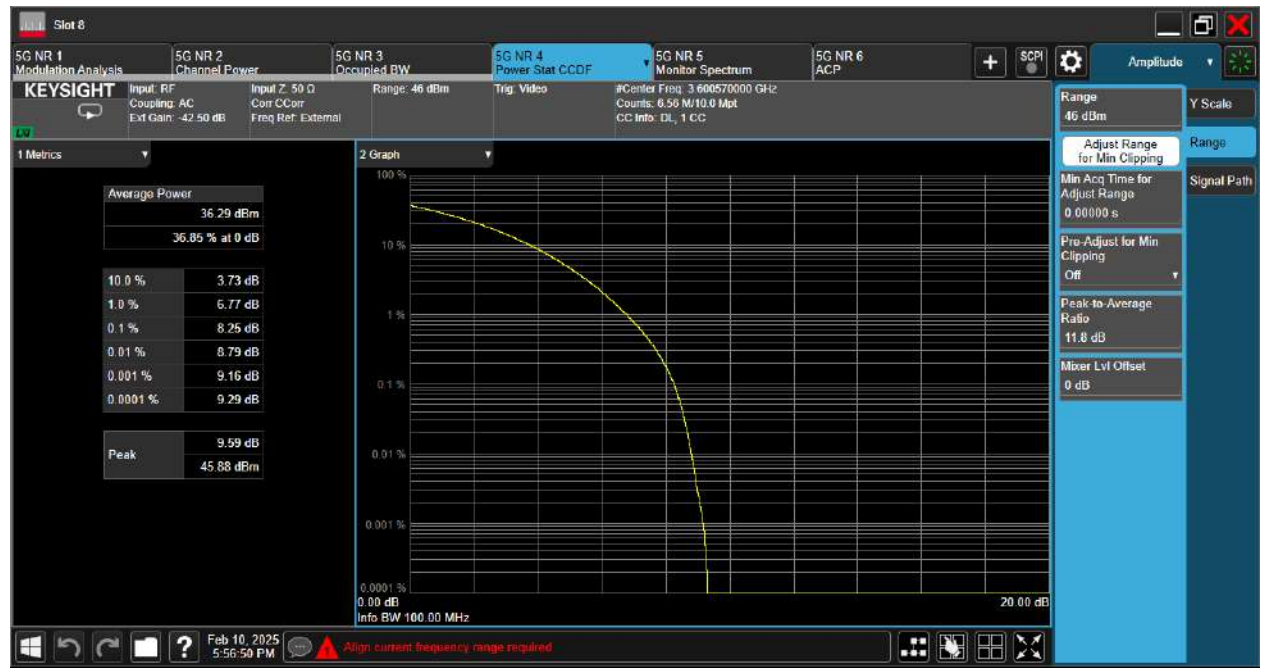


BW:80MHz@3659.430 MHz

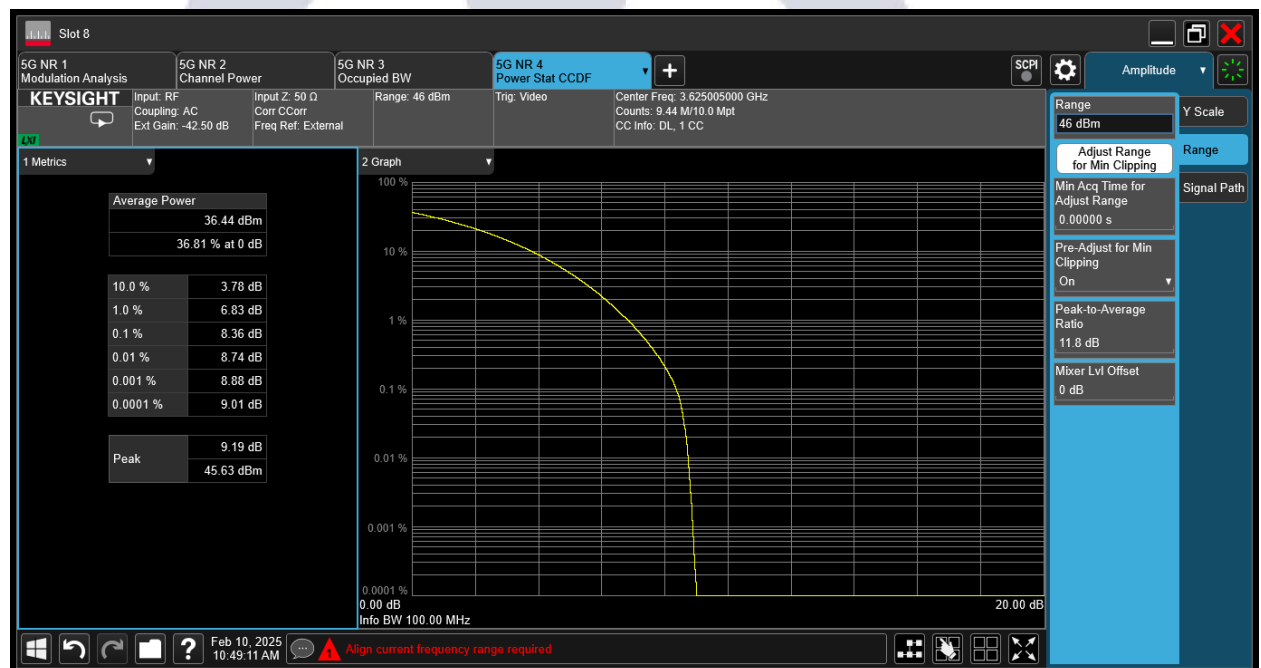


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BW:100MHz@3600.570 MHz

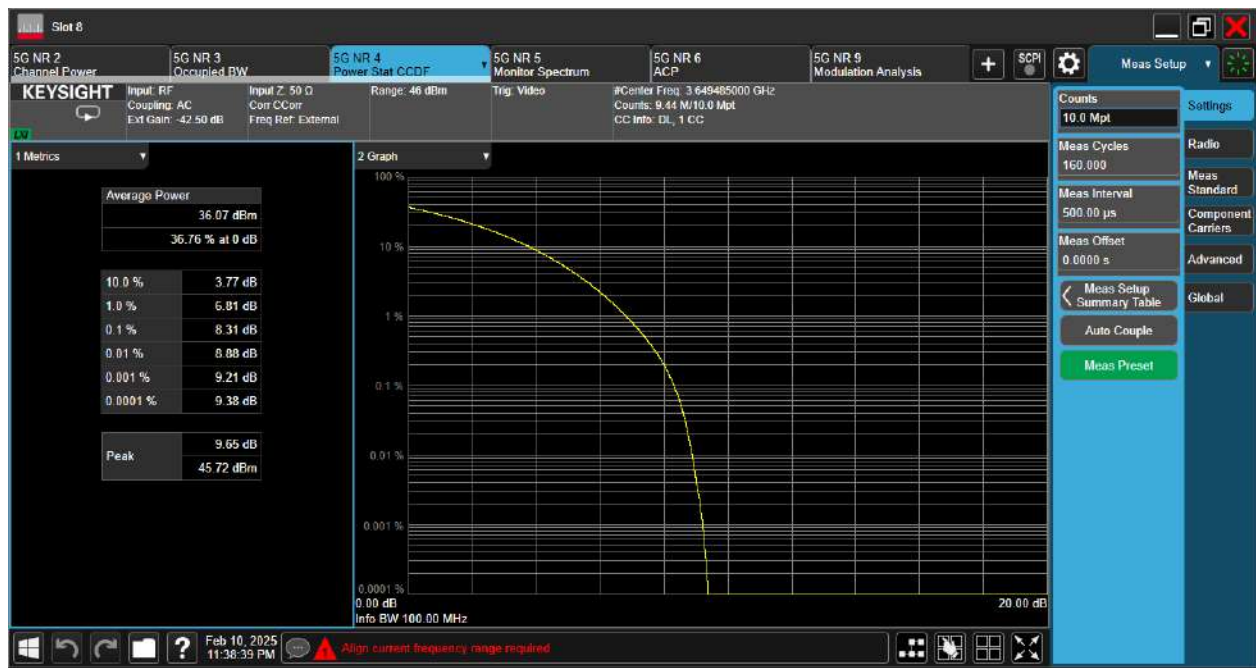


BW:100MHz@3625.005 MHz



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BW:100MHz@3649.485 MHz



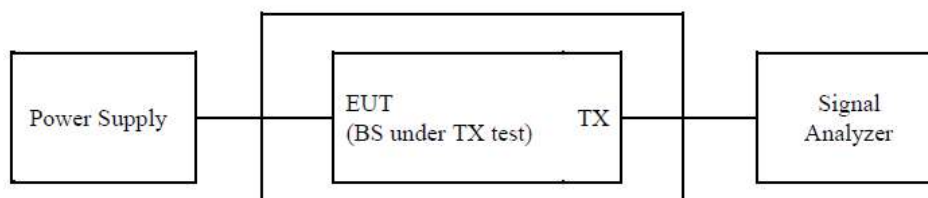
Note:- Testing is carried out in all possible configuration , only worst case plot reported.

1.15 Conducted Spurious Emissions

1.15.1 Limits of Conducted Spurious Emissions Measurement

Power of any emissions outside the Fundamental	Limit
Within 0-10MHz above the Assigned Channel	-13 dBm/MHz
Within 0-10MHz below the Assigned Channel	
Greater than 0-10MHz above the Assigned Channel	-25 dBm/MHz
Greater than 0-10MHz below the Assigned Channel	
Power of any emission below 3530MHz	-40 dBm/MHz
Power of any emission above 3720MHz	

1.15.2 Test Setup



1.15.3 Test Procedure

1. Set the analyzer frequency to low or high channel.
2. RBW = 100kHz or 1MHz
3. VBW $\geq 3 \times$ RBW
4. Sweep time = auto
5. Detector = power averaging (rms)
6. Set sweep trigger to "free run."
7. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple.

To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.

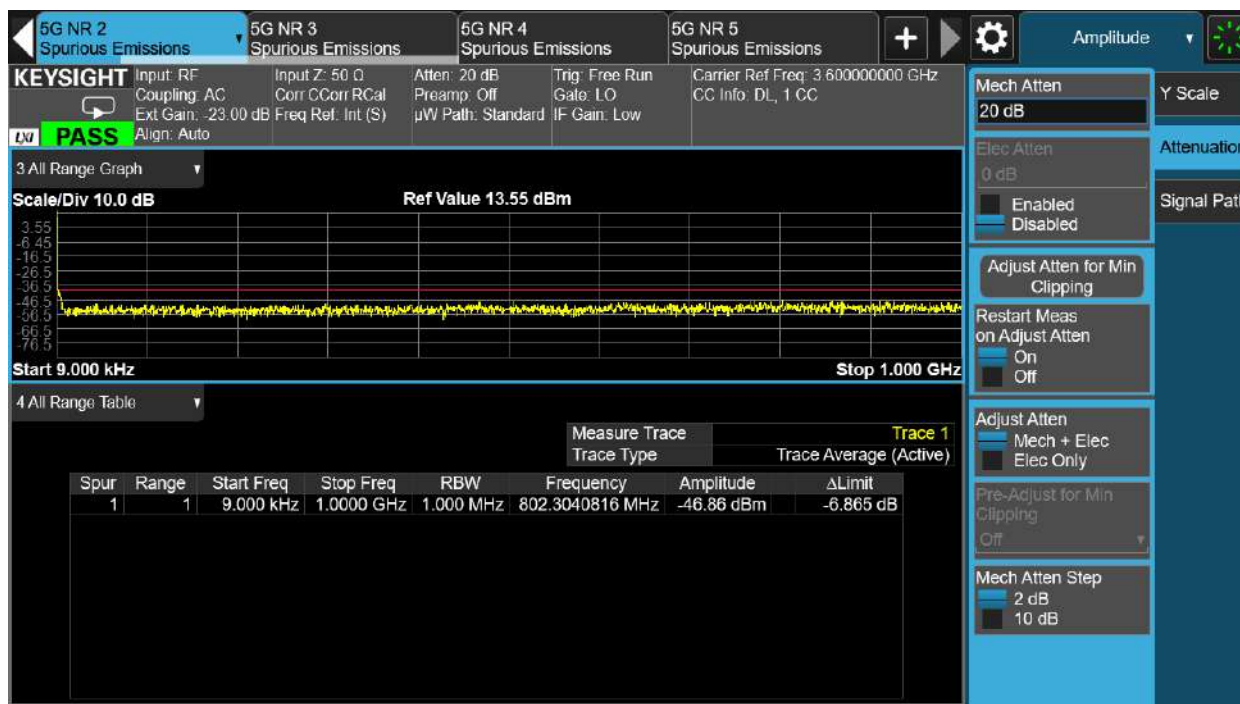
SR. NO.	FREQUENCY RANGE	RBW
1.	9KHZ~30MHZ	100KHZ
2.	30MHZ~3GHZ	1MHZ
3.	3GHZ~20GHZ	1MHZ

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1.15.4 Test Results

10MHz @3556.150MHz

ANT1

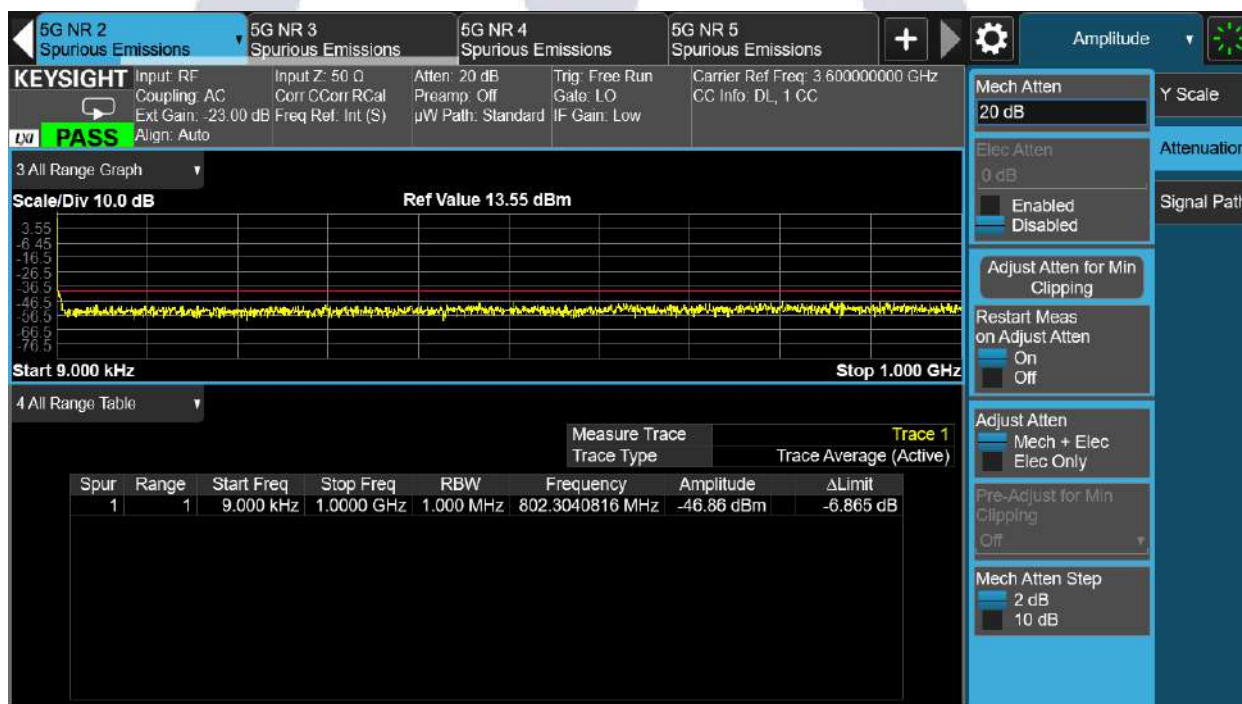


Report No.: AAEMT/RF/250311-01

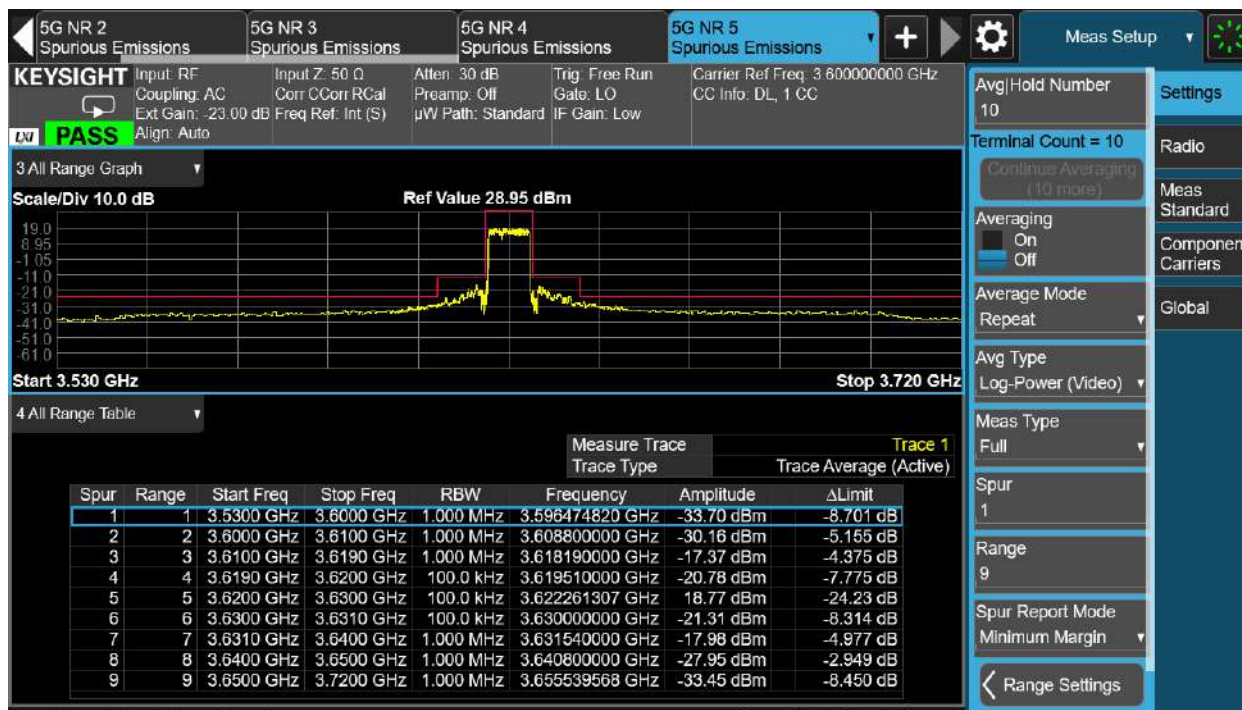


10MHz @3625.005MHz

ANT1



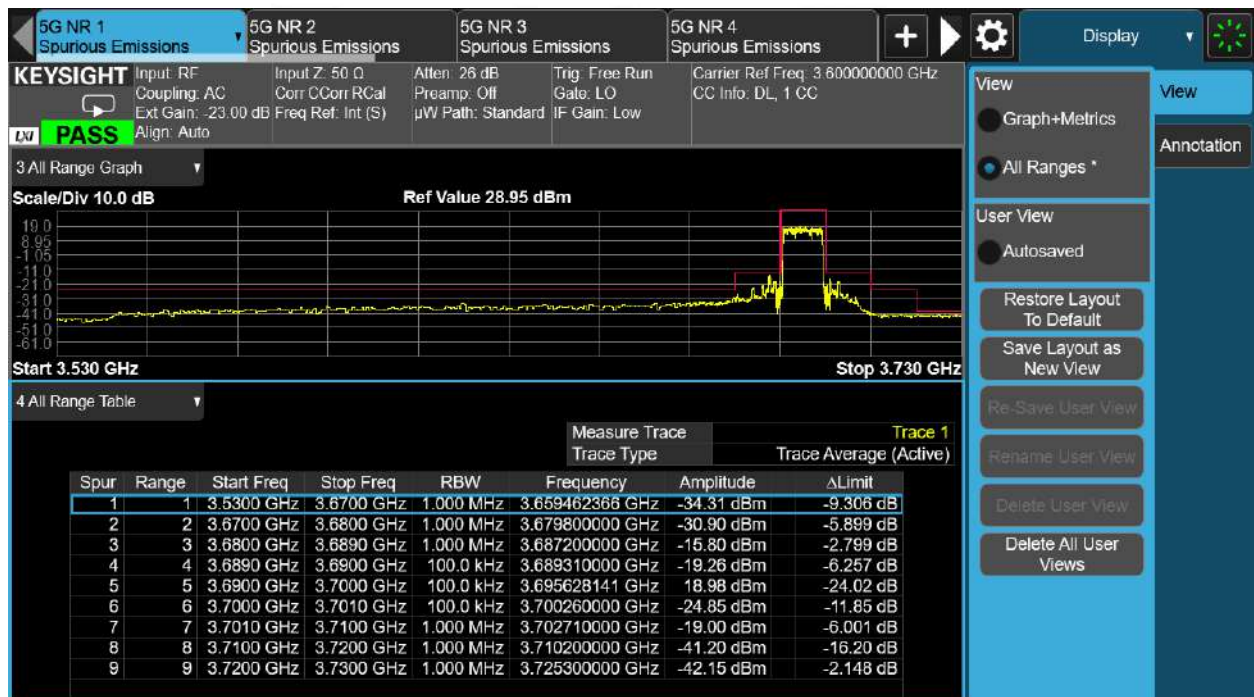
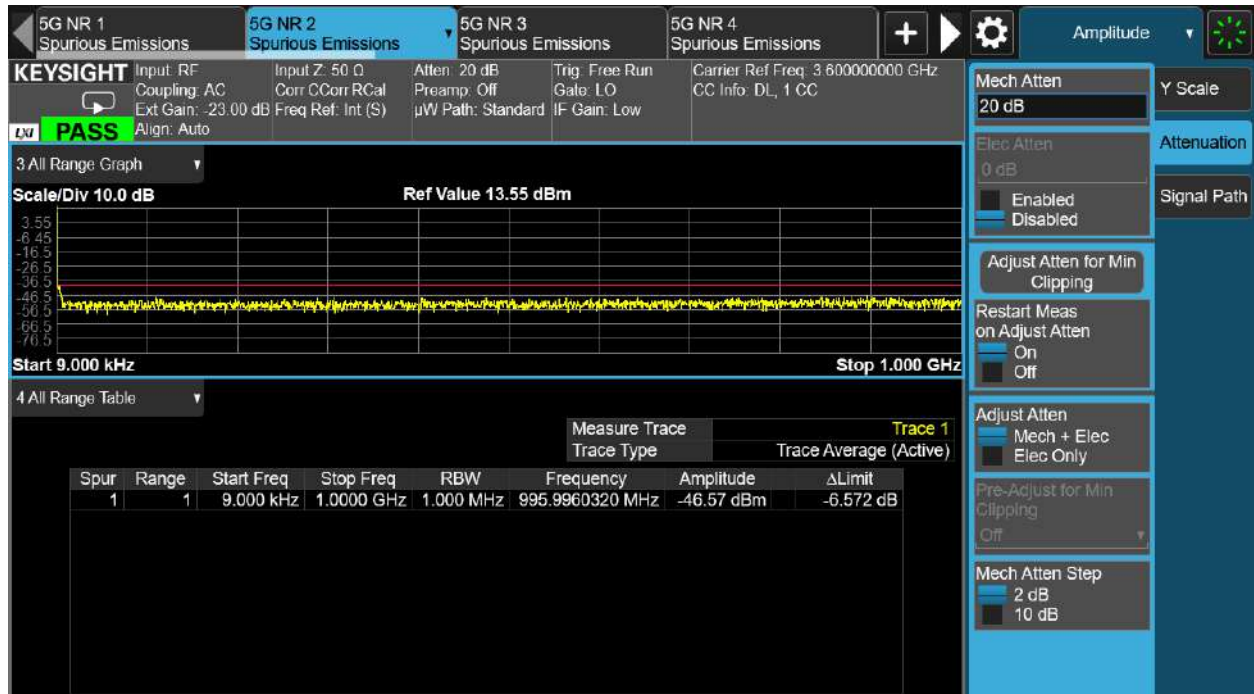
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Report No.: AAEMT/RF/250311-01

10MHz @3693.720MHz

ANT1

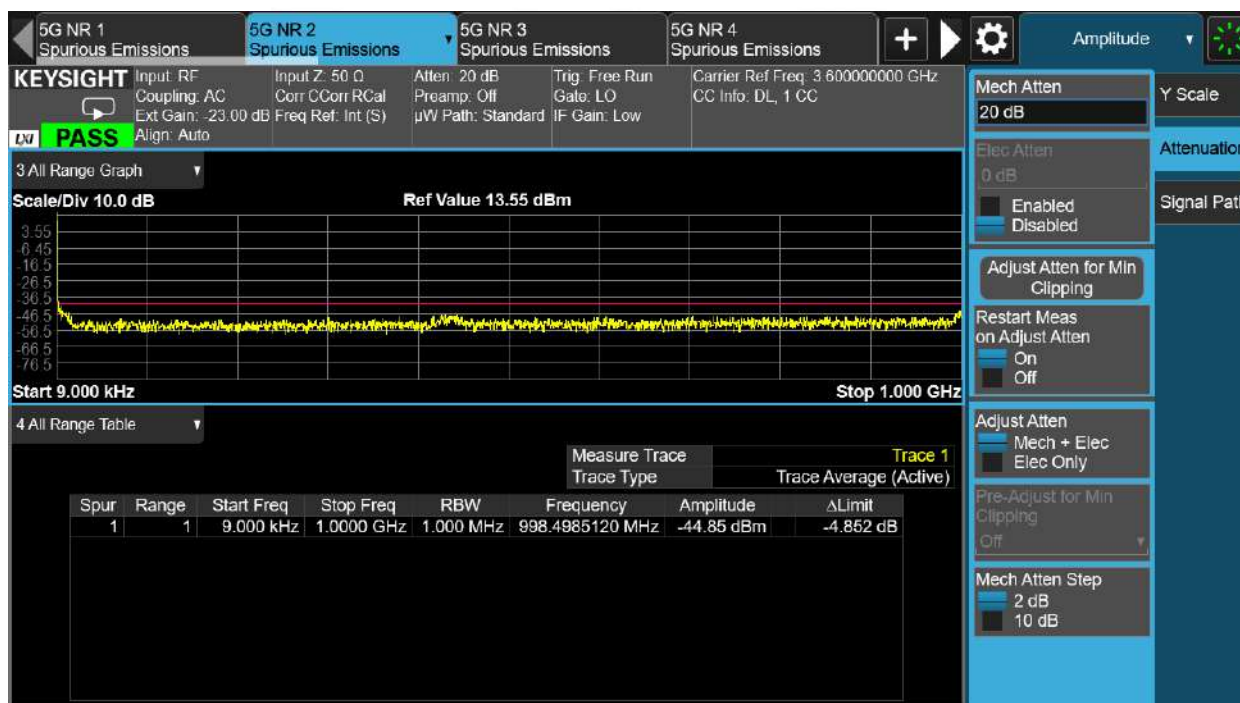


Report No.: AAEMT/RF/250311-01

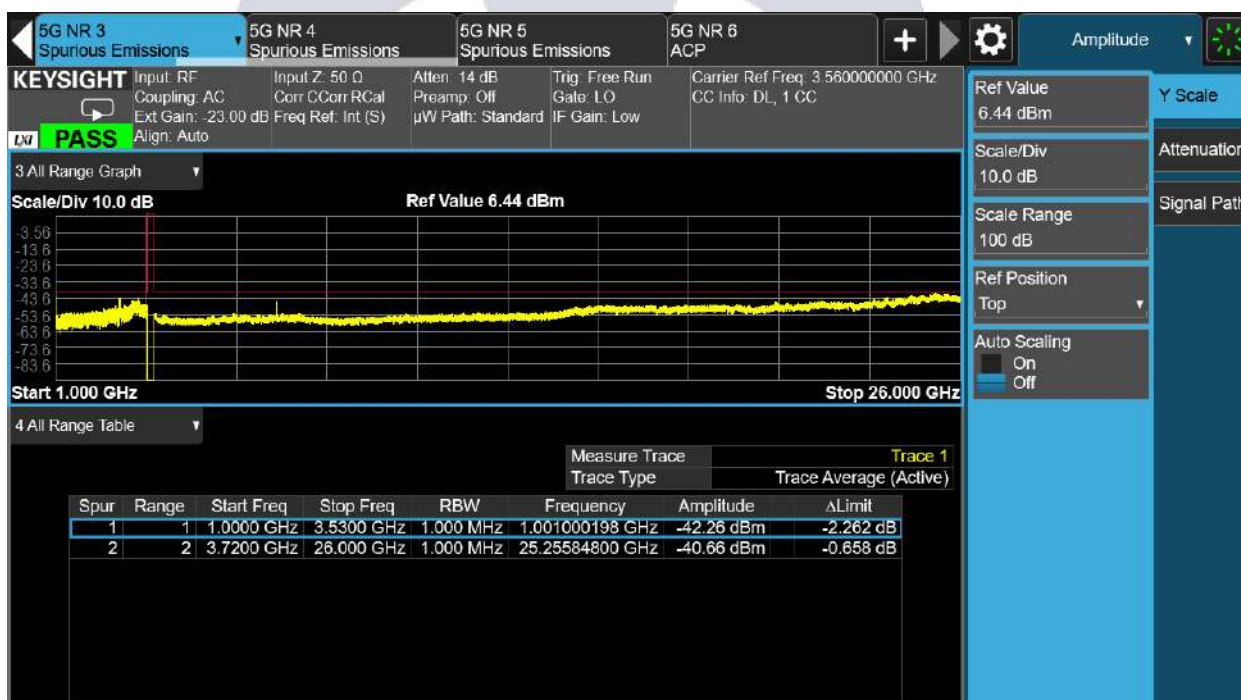
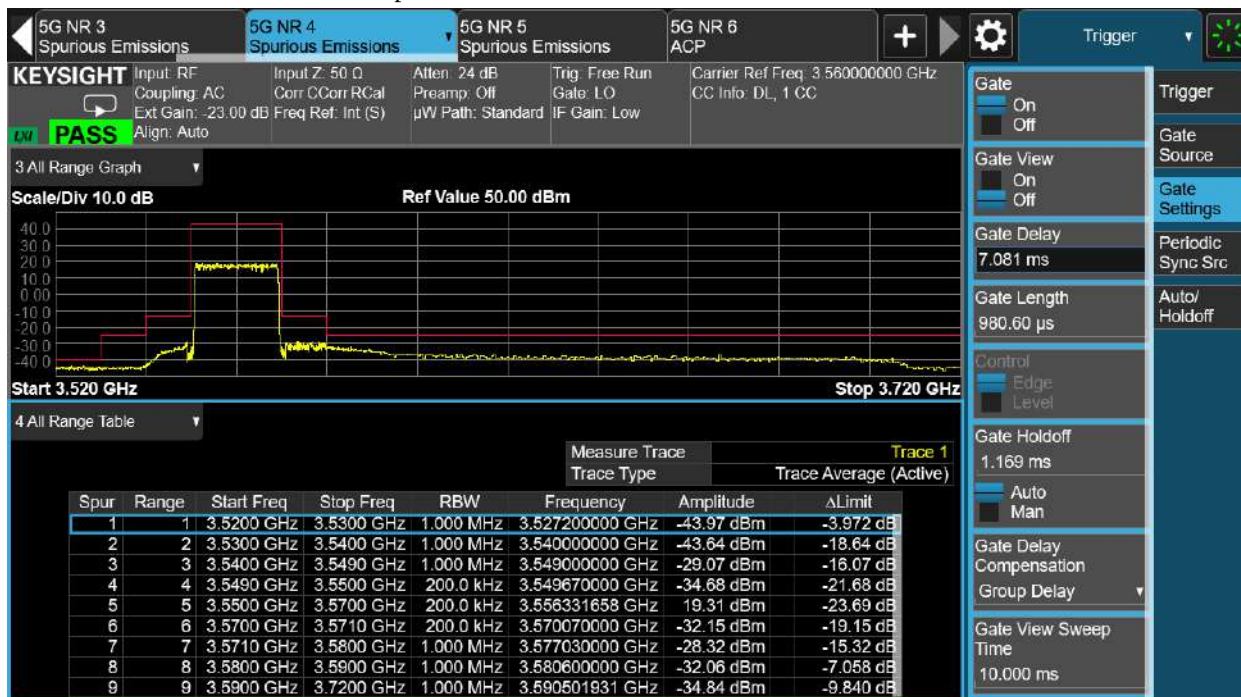


20MHz @3560.760MHz

ANT1



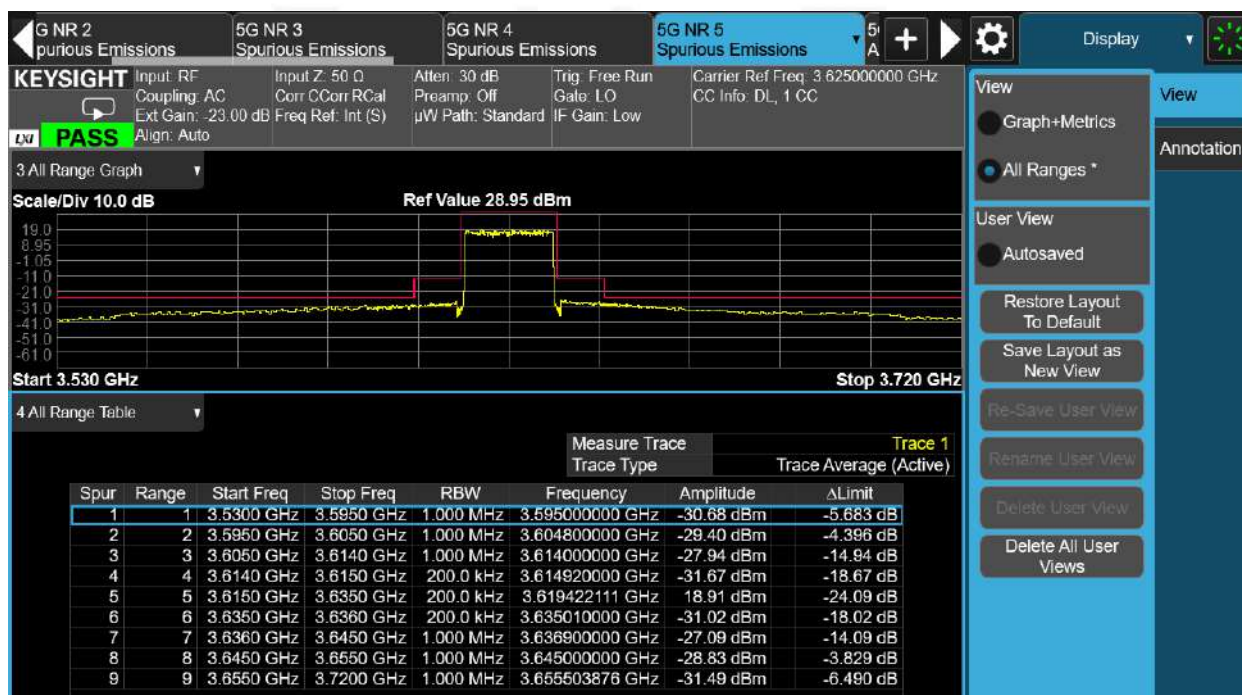
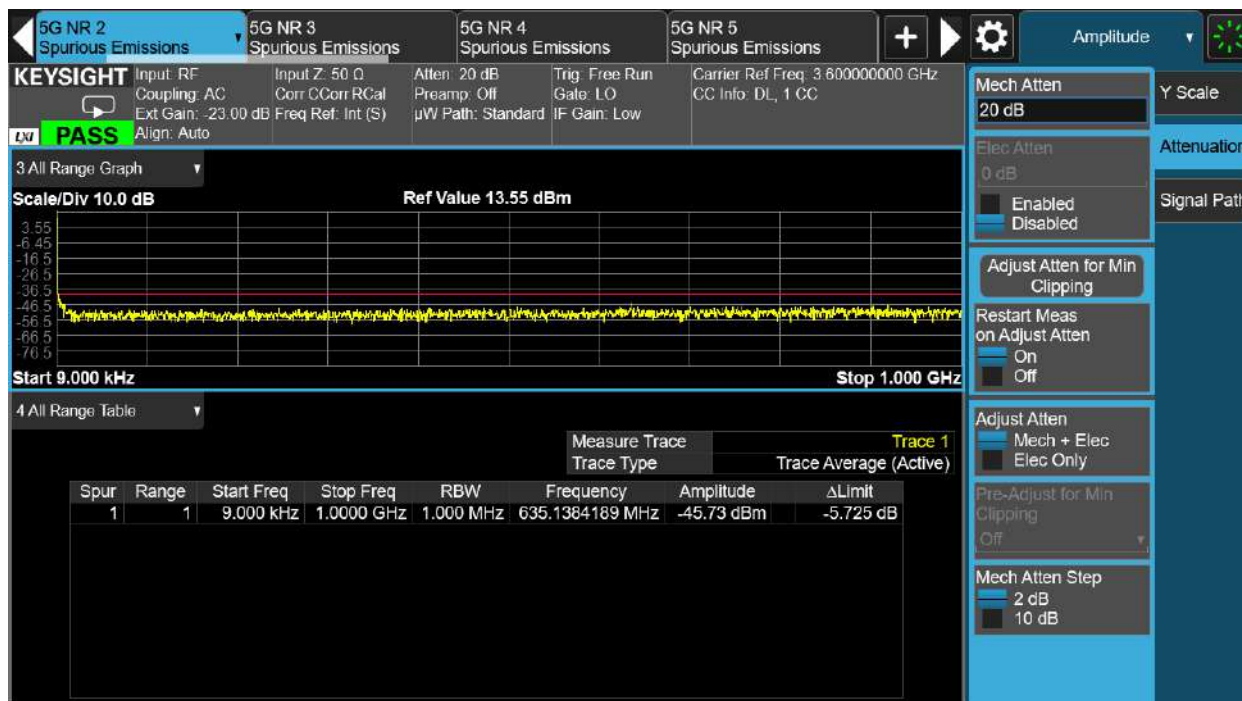
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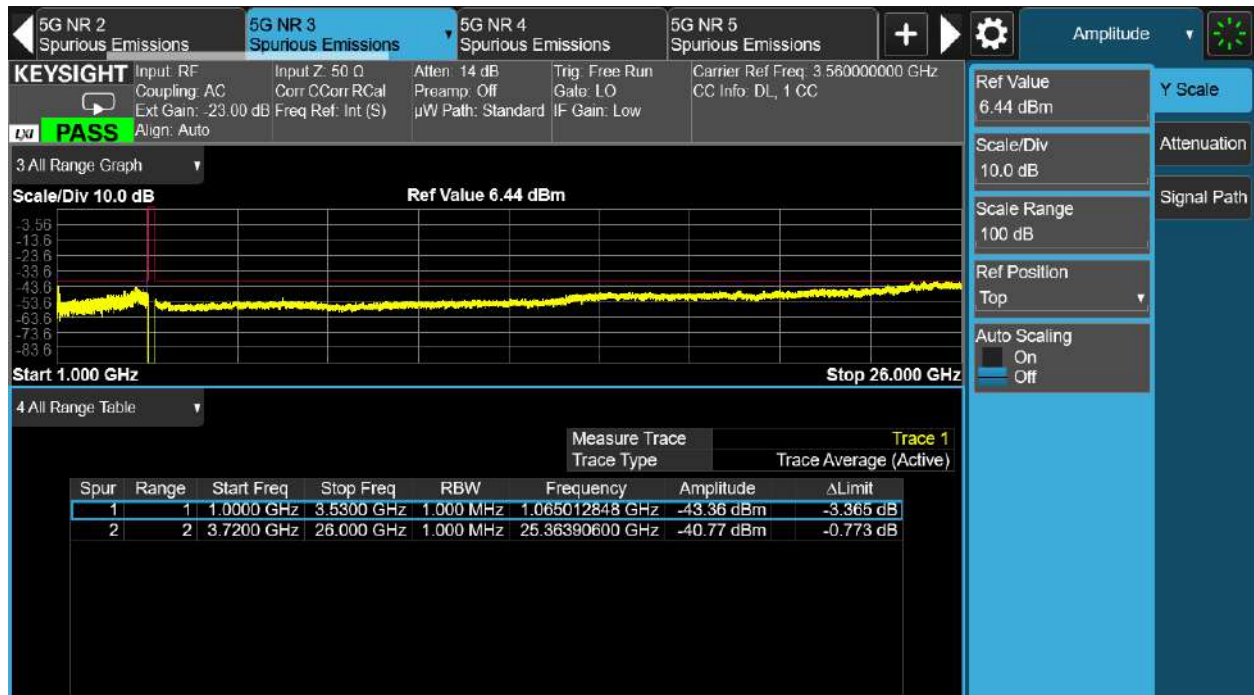
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20MHz @3625.005MHz

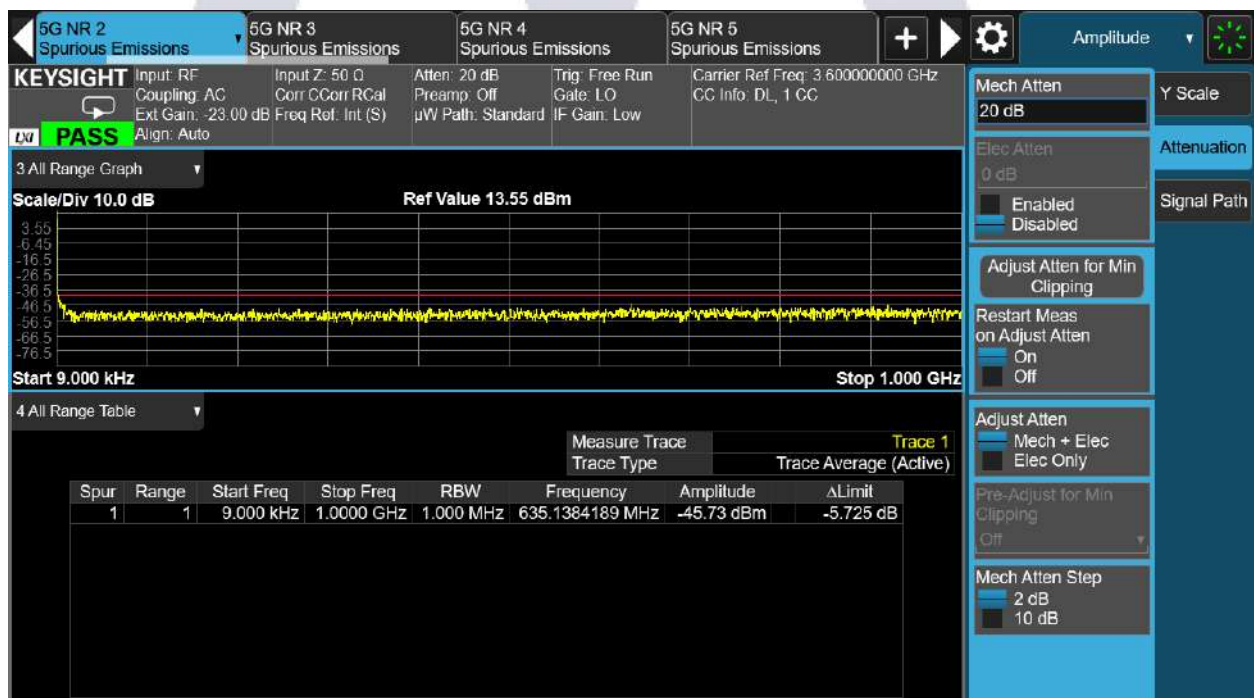
ANT1



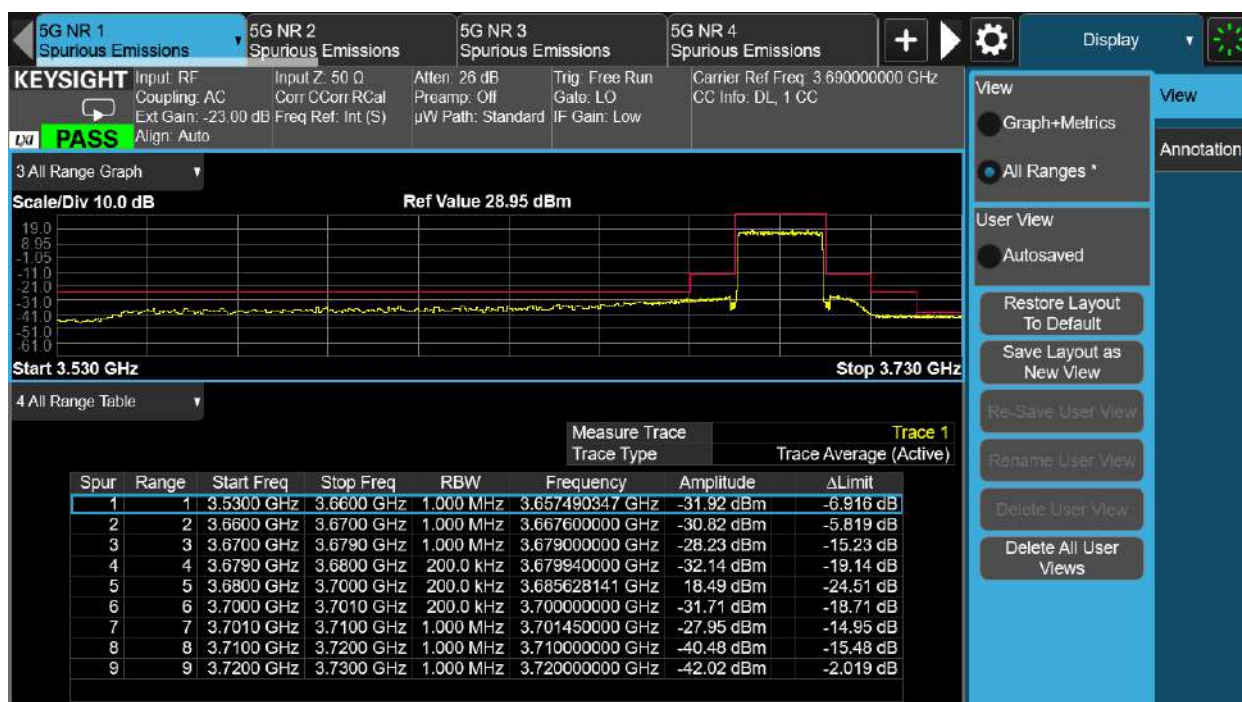
Report No.: AAEMT/RF/250311-01



20MHz @3689.220MHz
ANT1



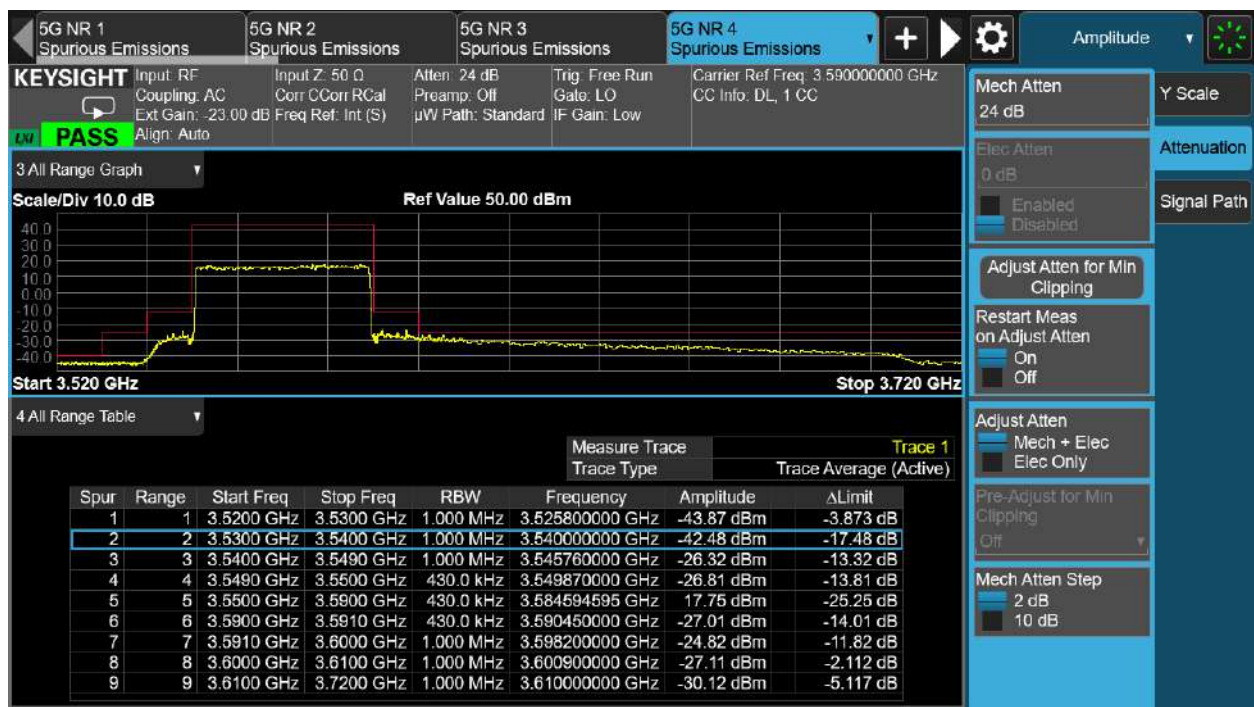
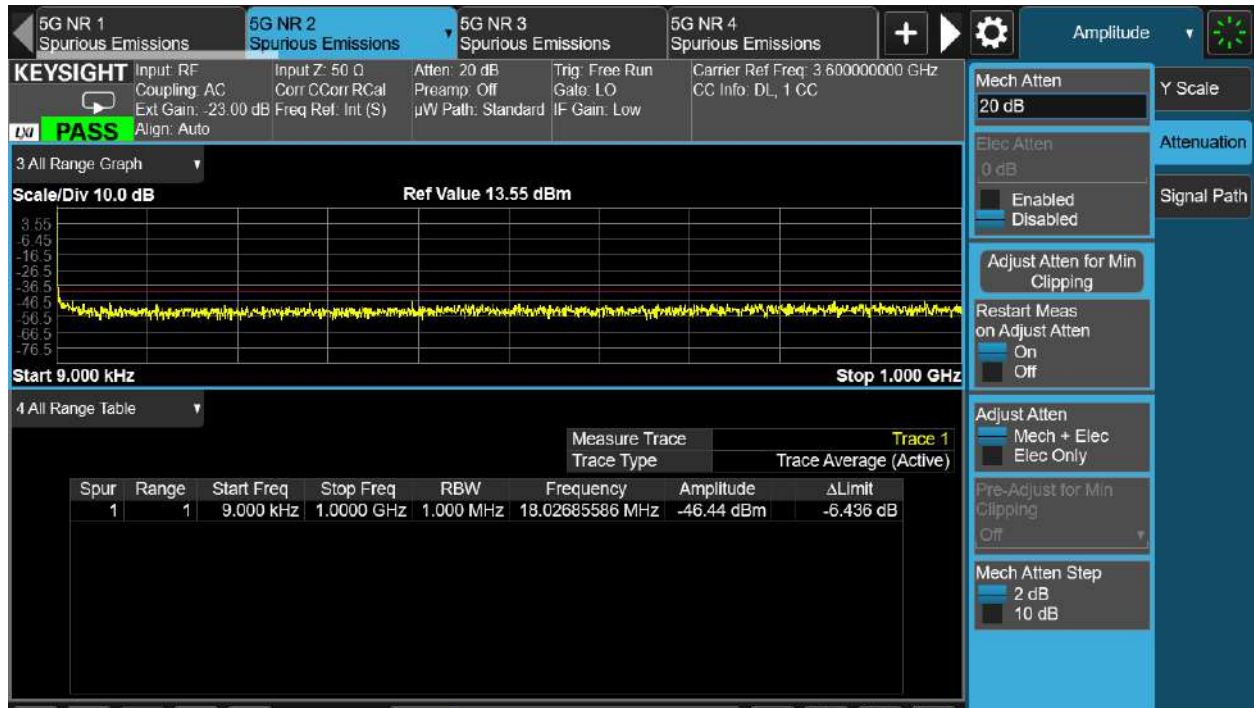
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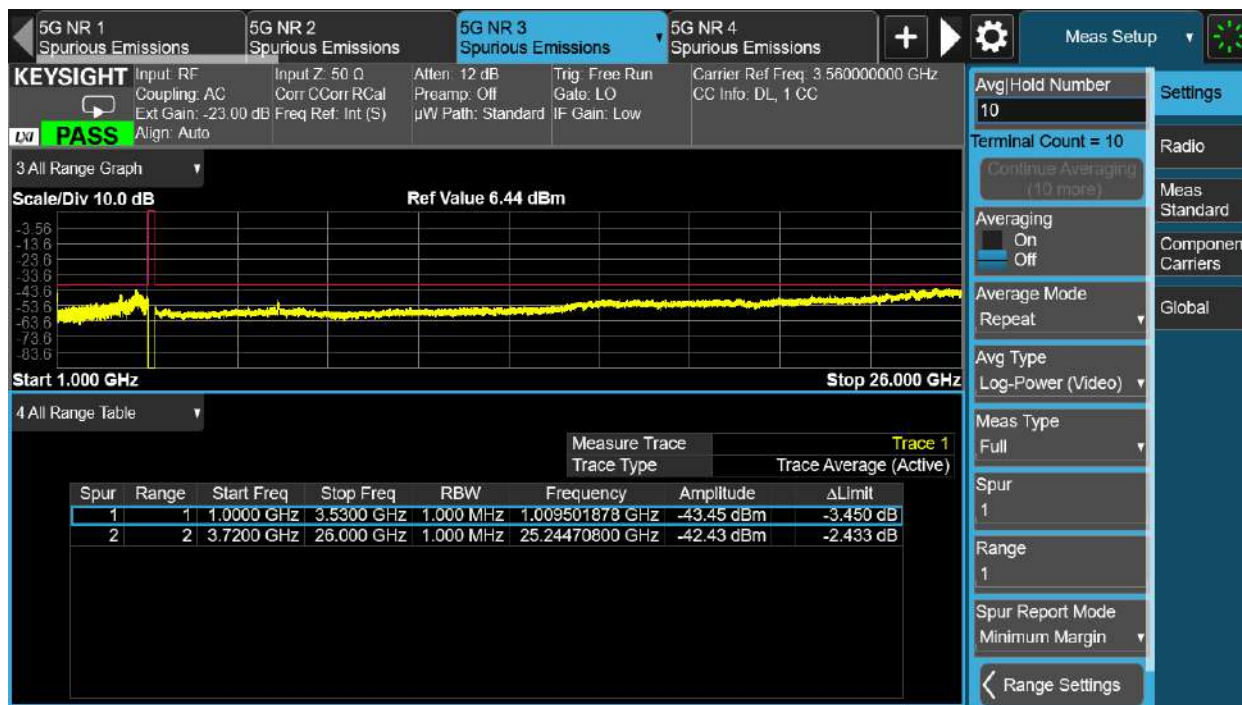
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40MHz @3570.765MHz

ANT1

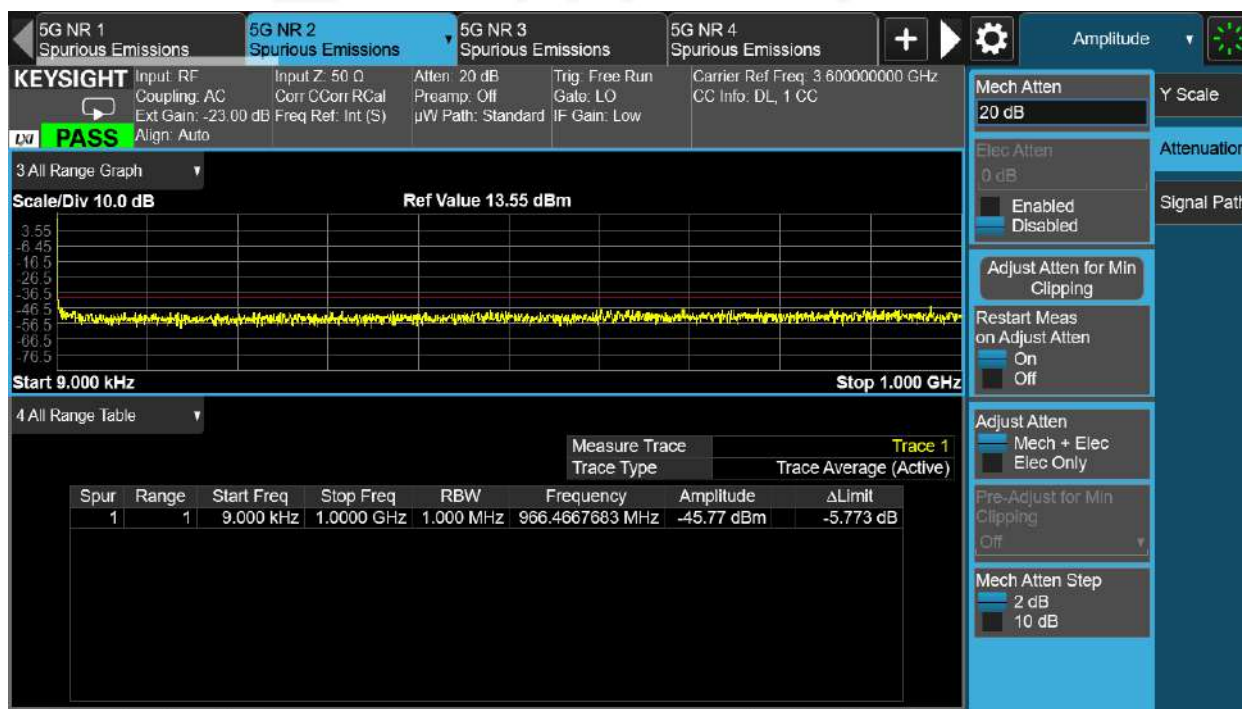


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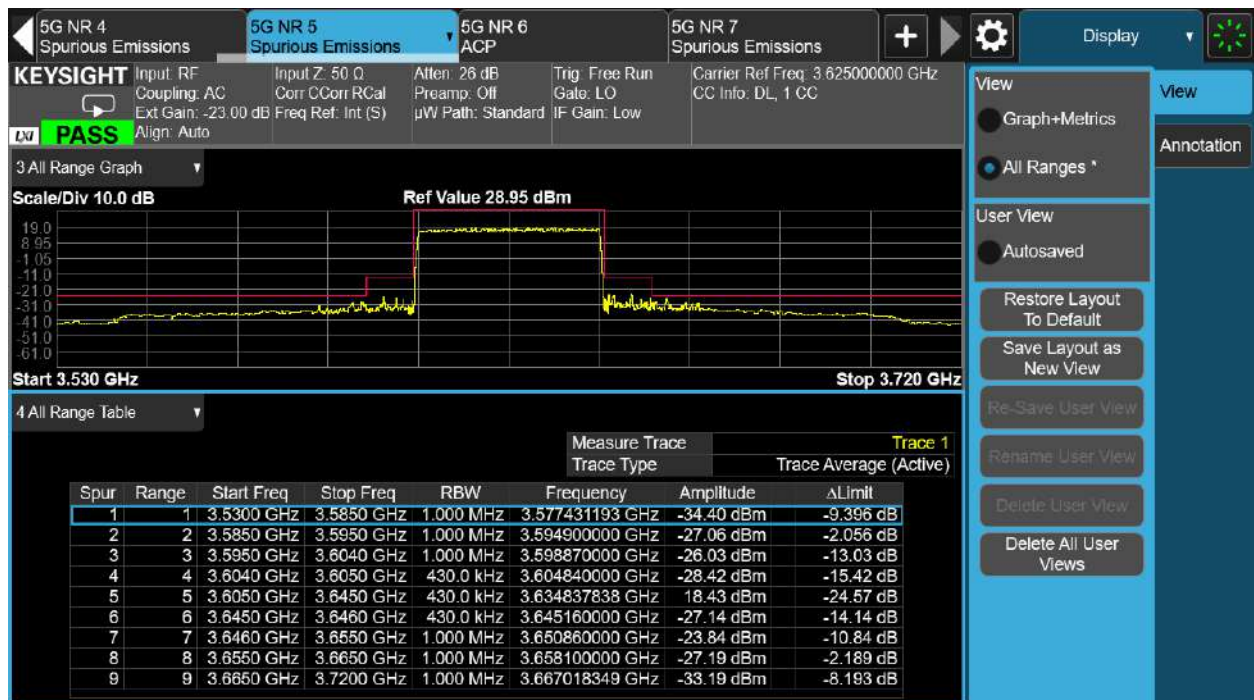


40MHz @3625.005MHz

ANT1



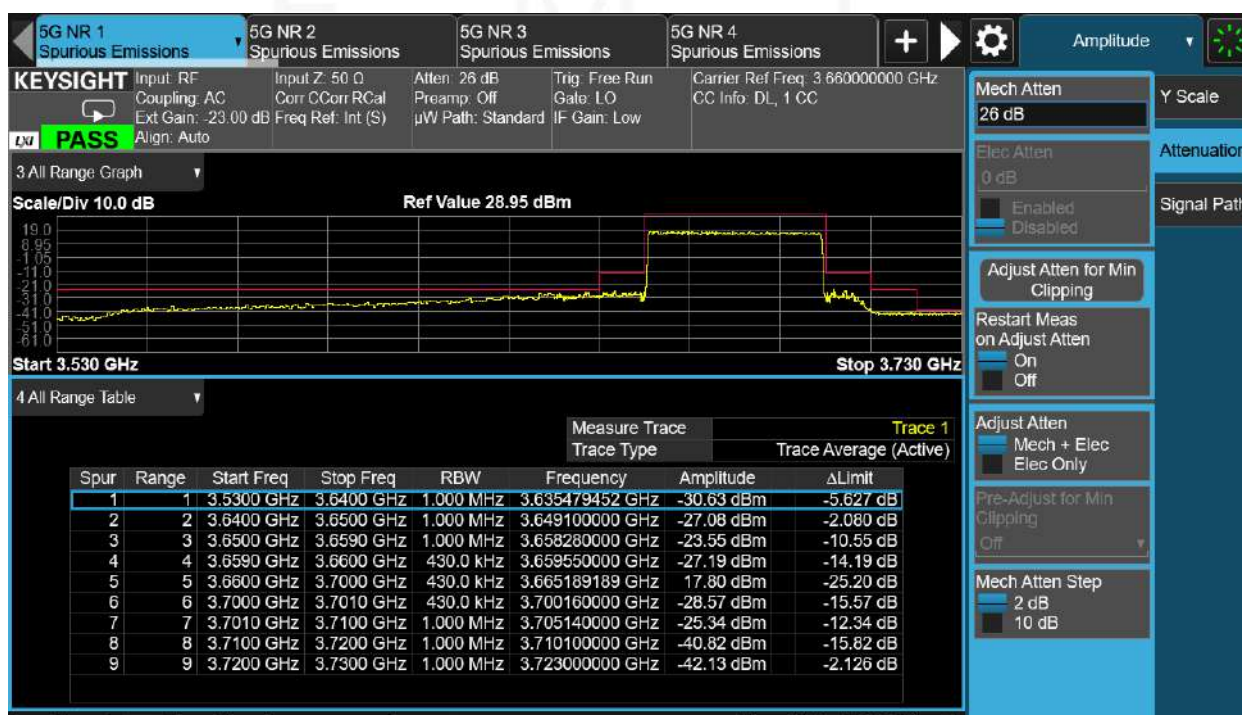
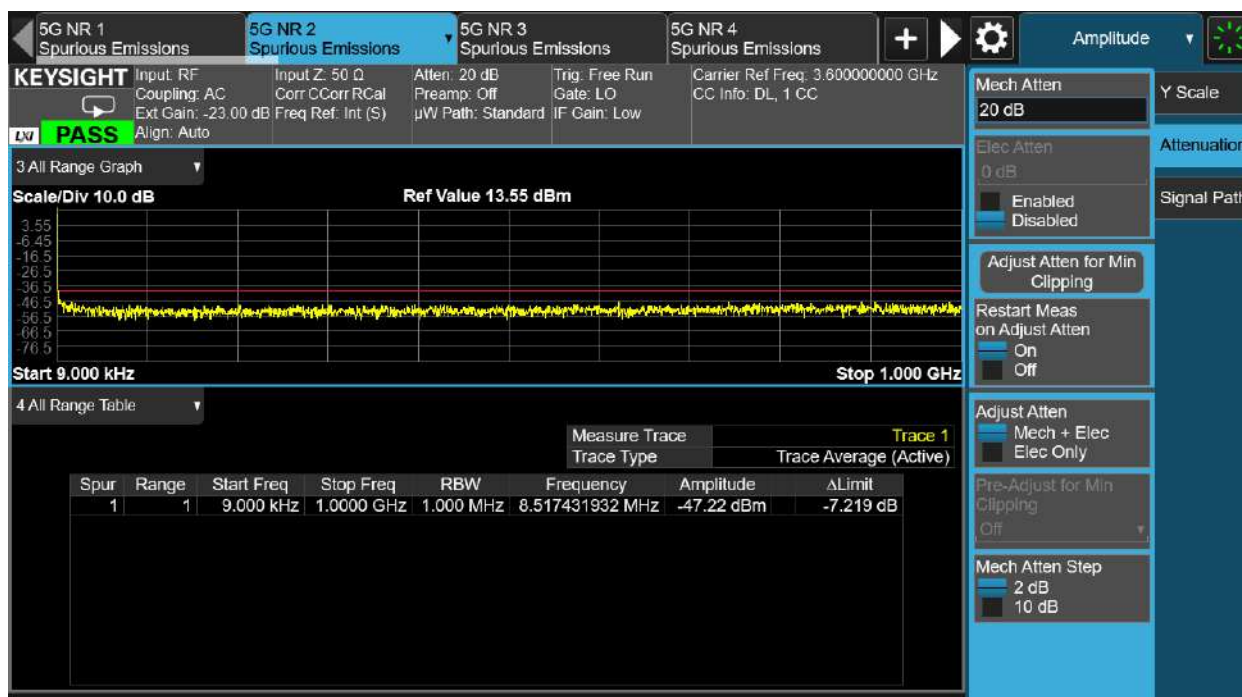
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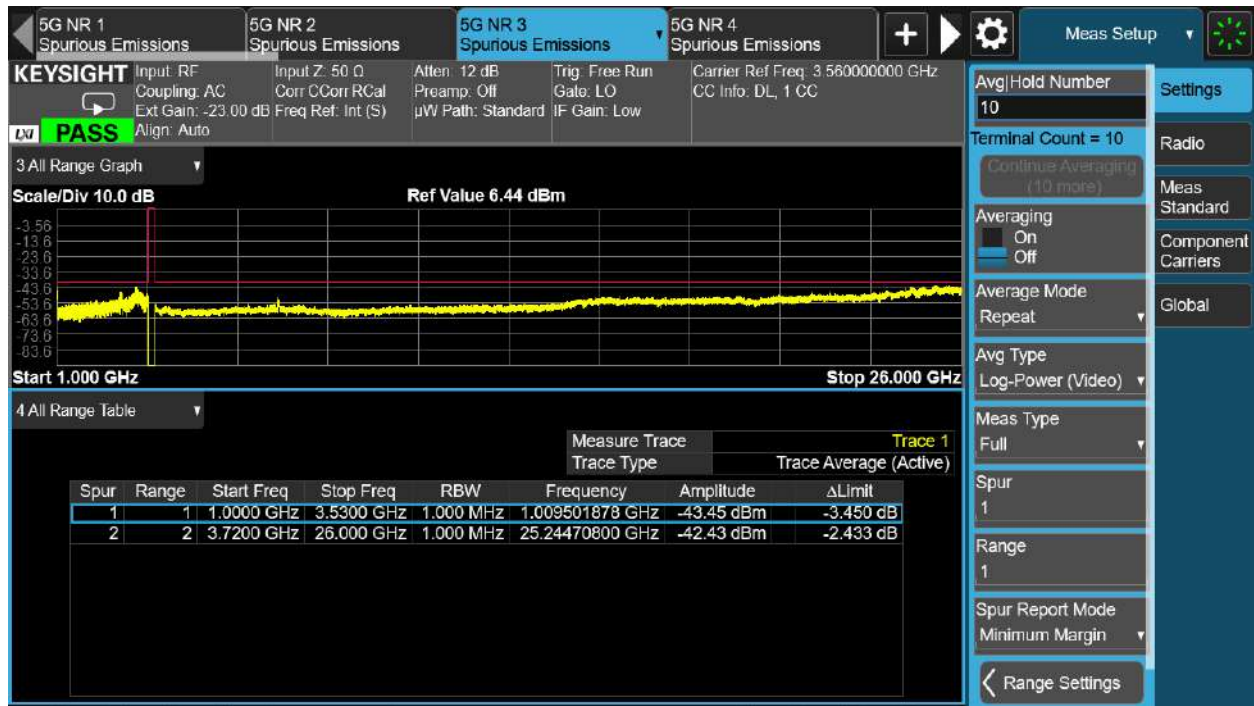
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40MHz @3679.245MHz

ANT1

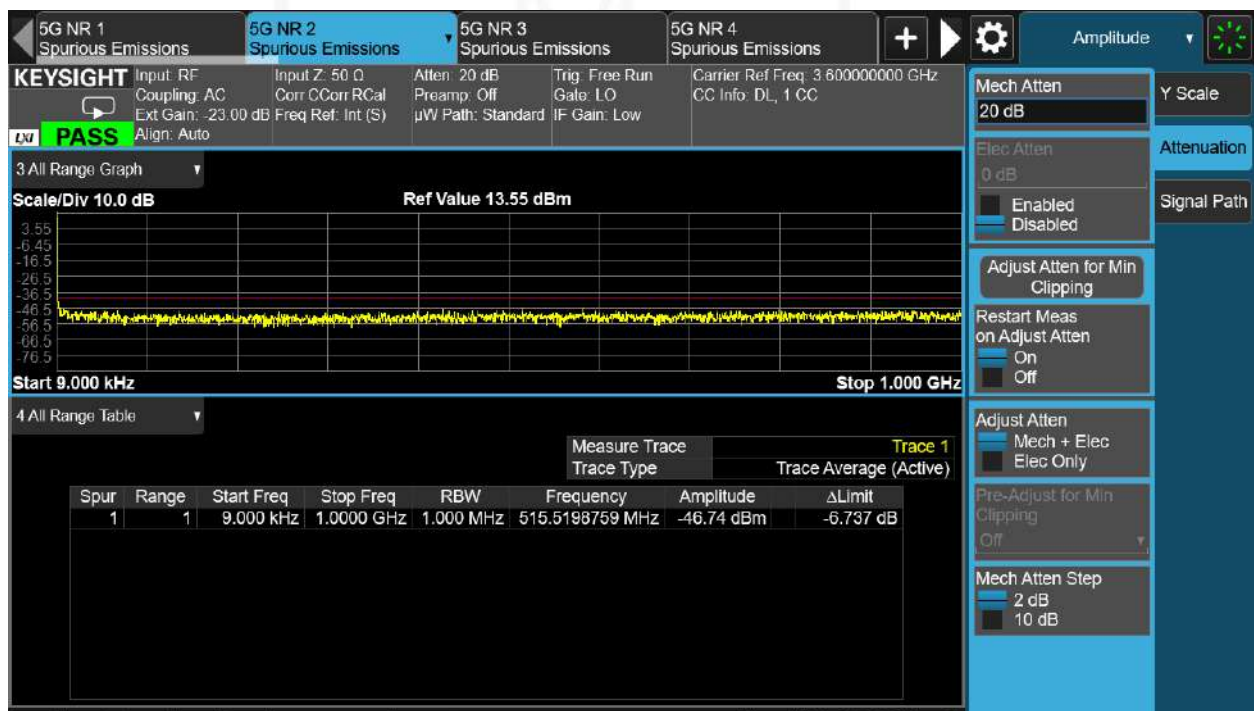


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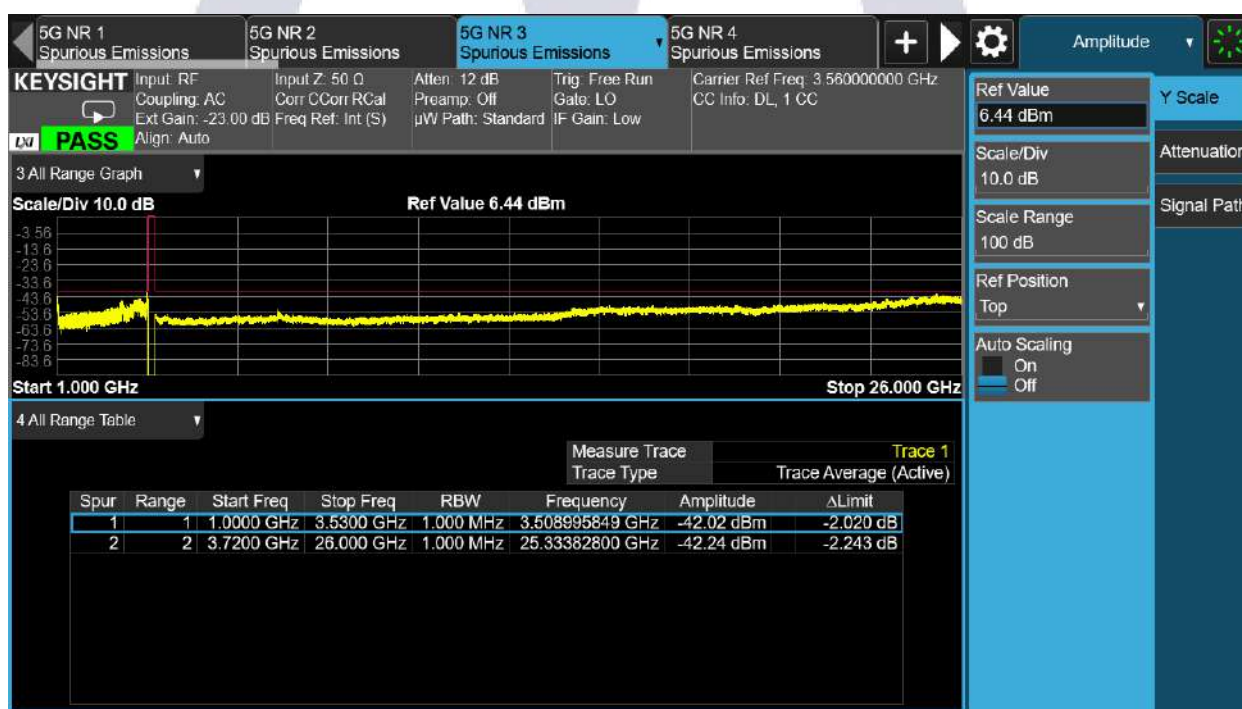
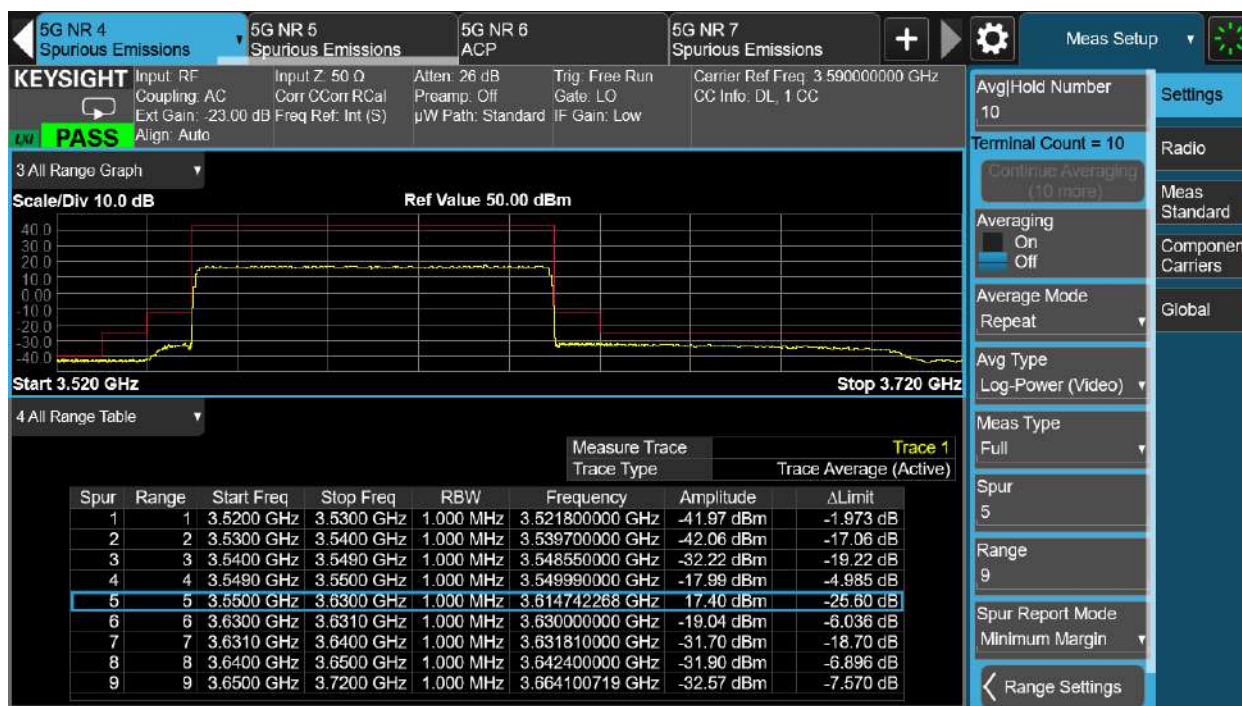


80MHz @3590.565MHz

ANT1



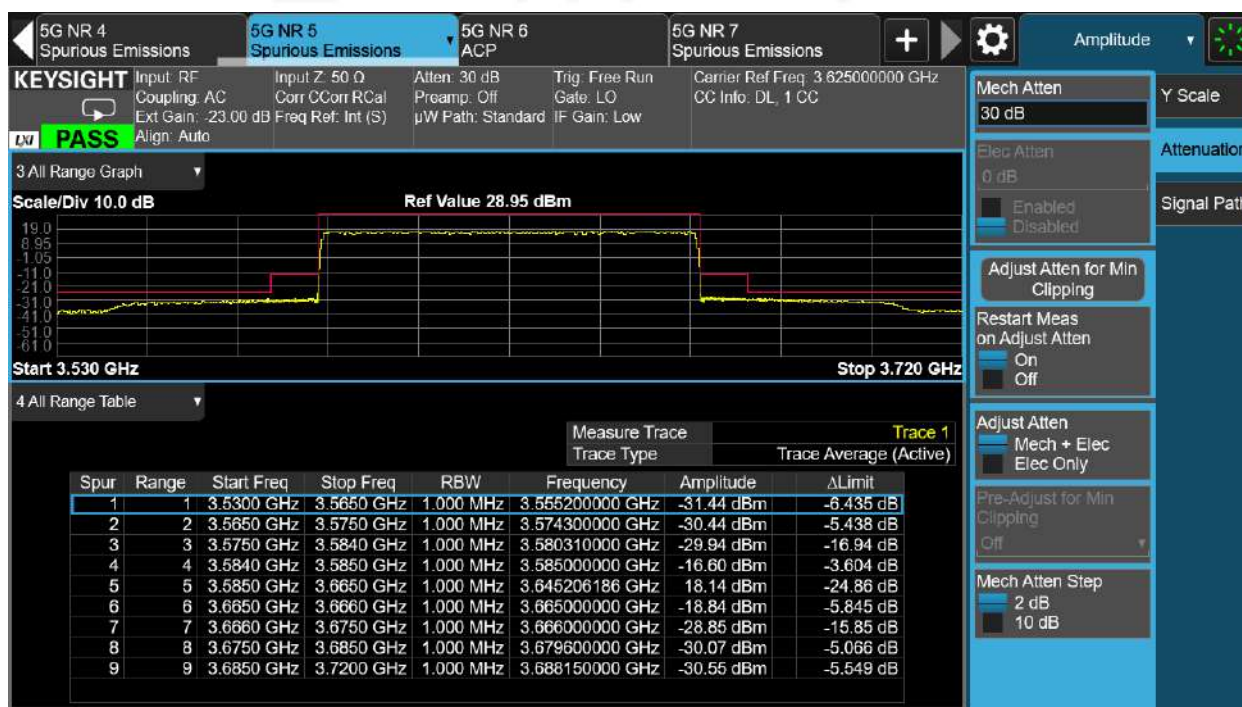
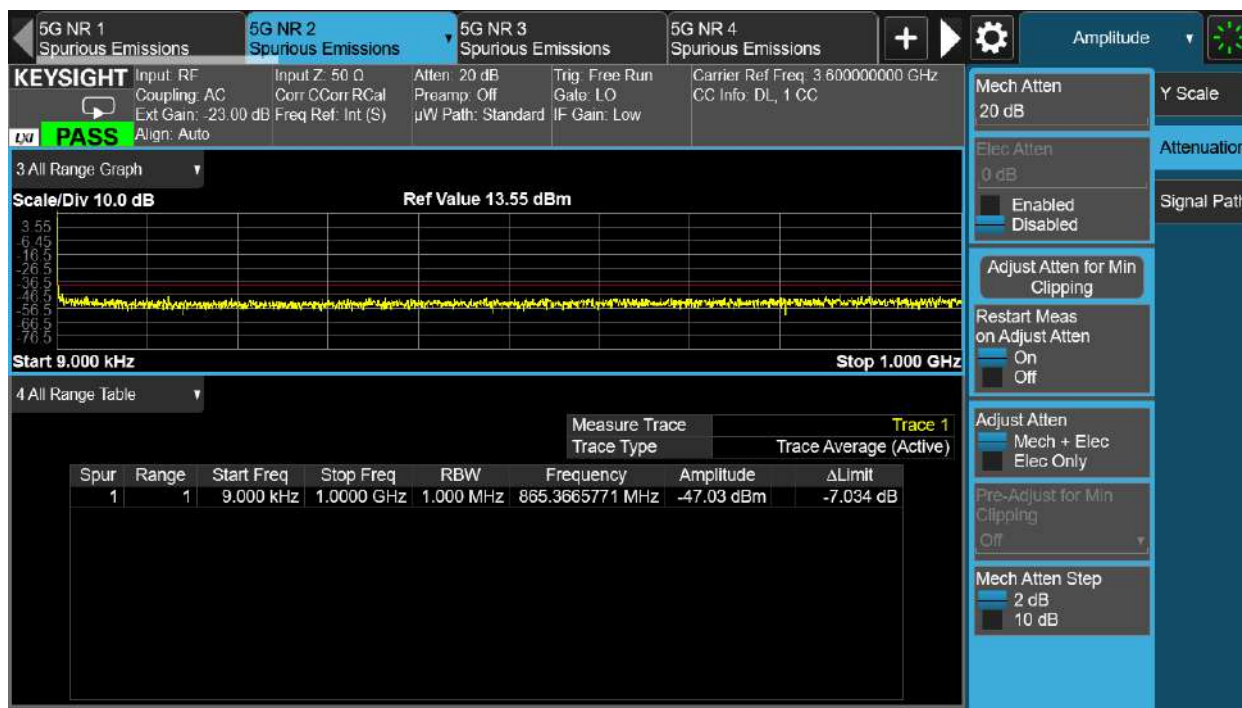
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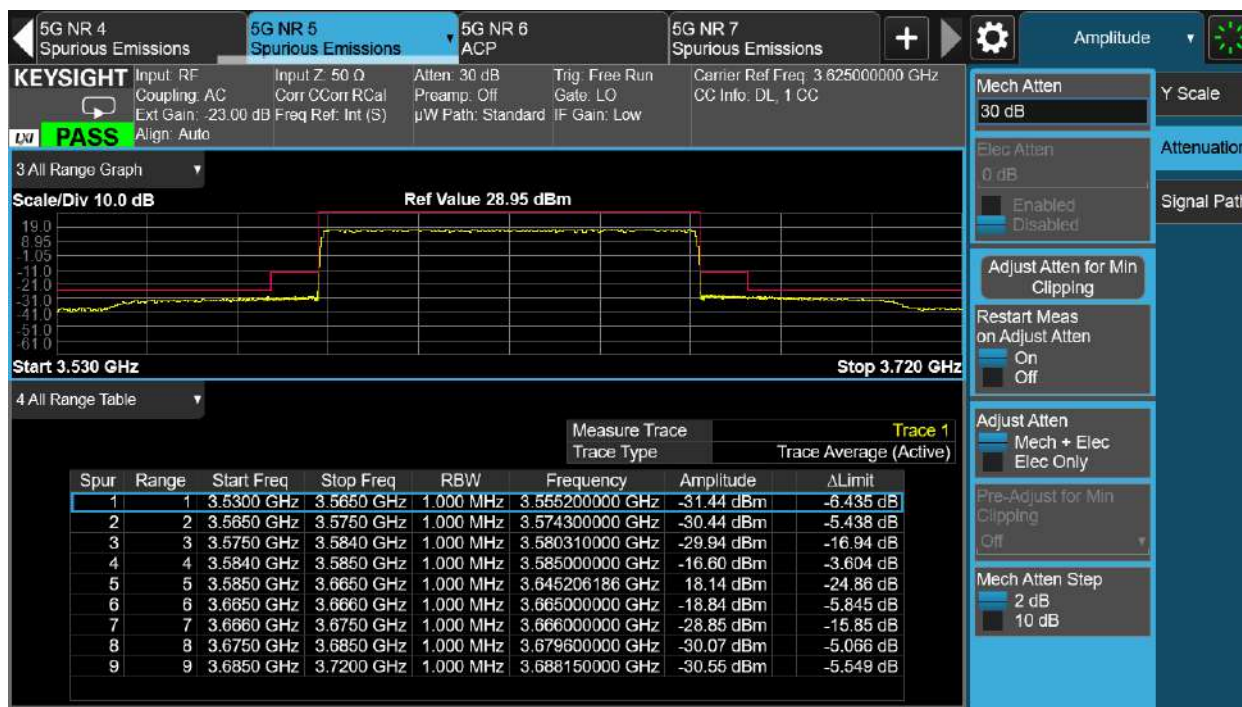
Report No.: AAEMT/RF/250311-01

80MHz @3625.005MHz

ANT1

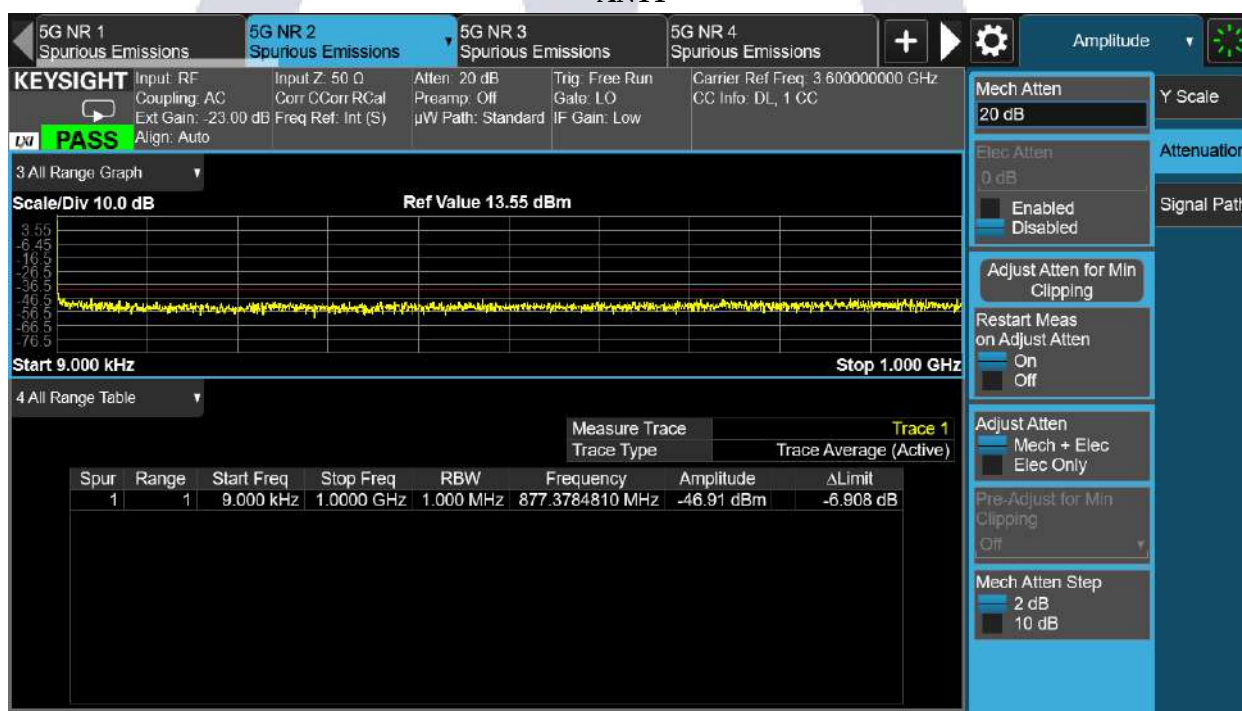


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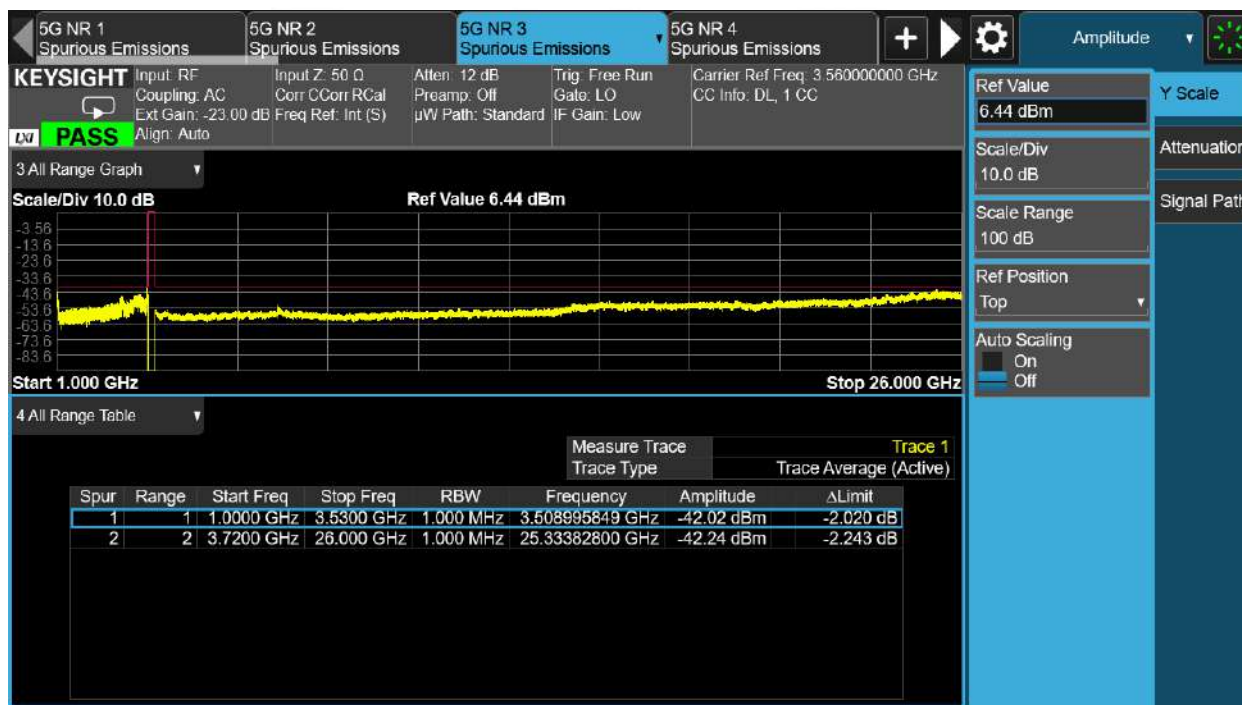
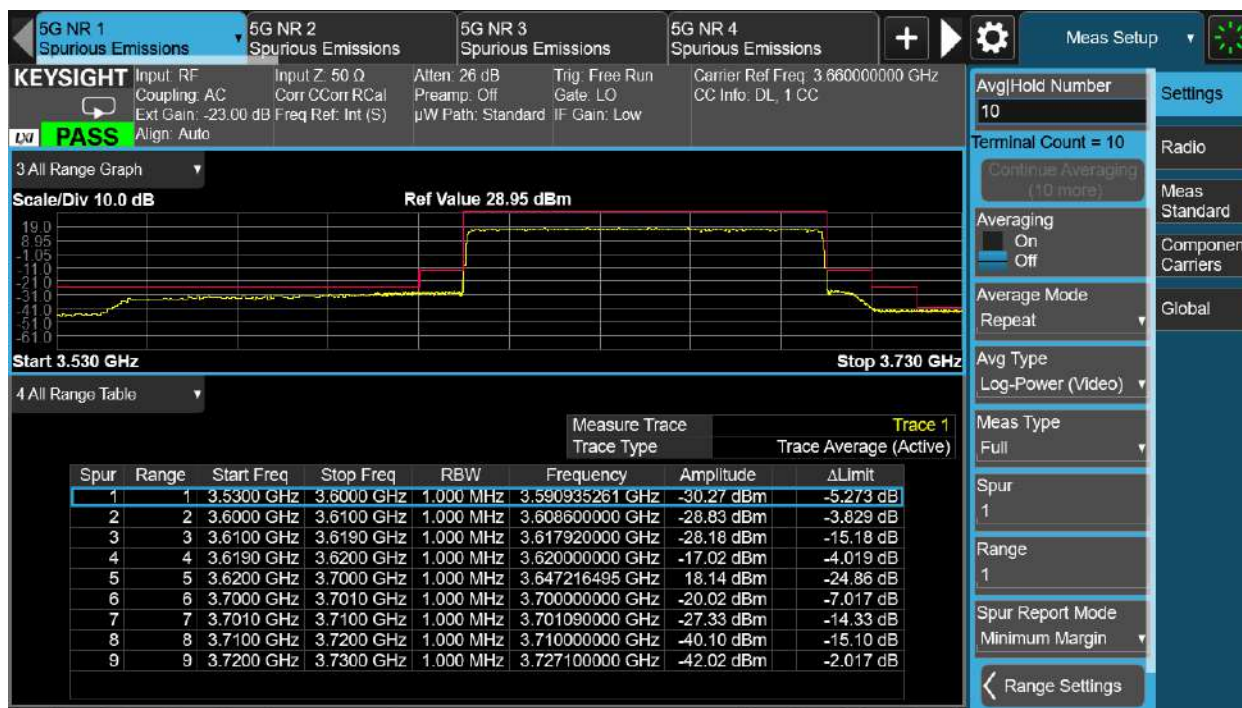


80MHz @3659.430MHz

ANT1



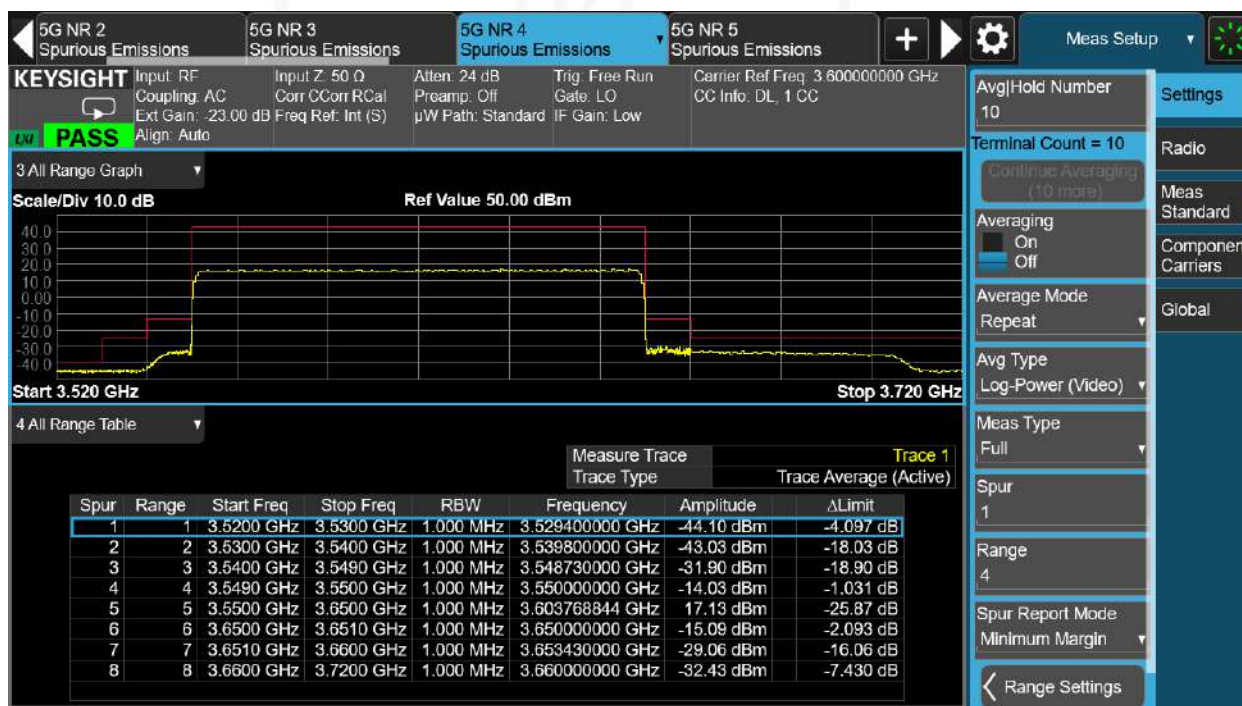
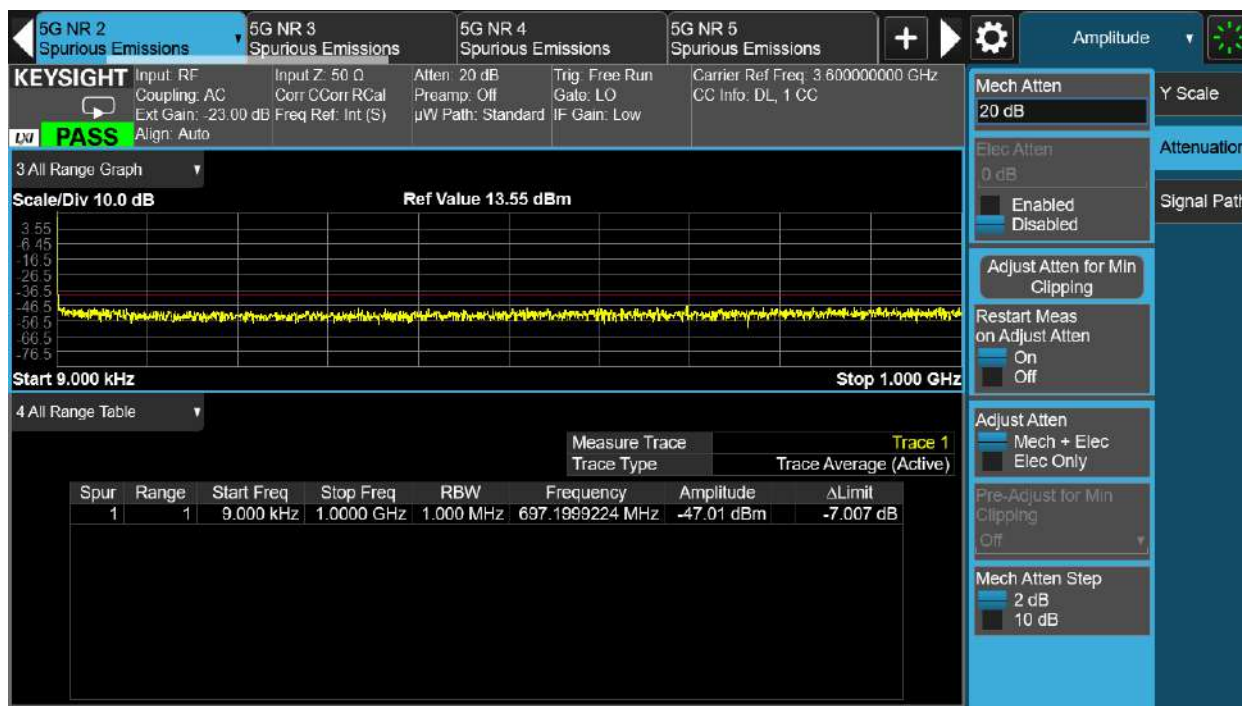
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100MHz @3600.570MHz

ANT1

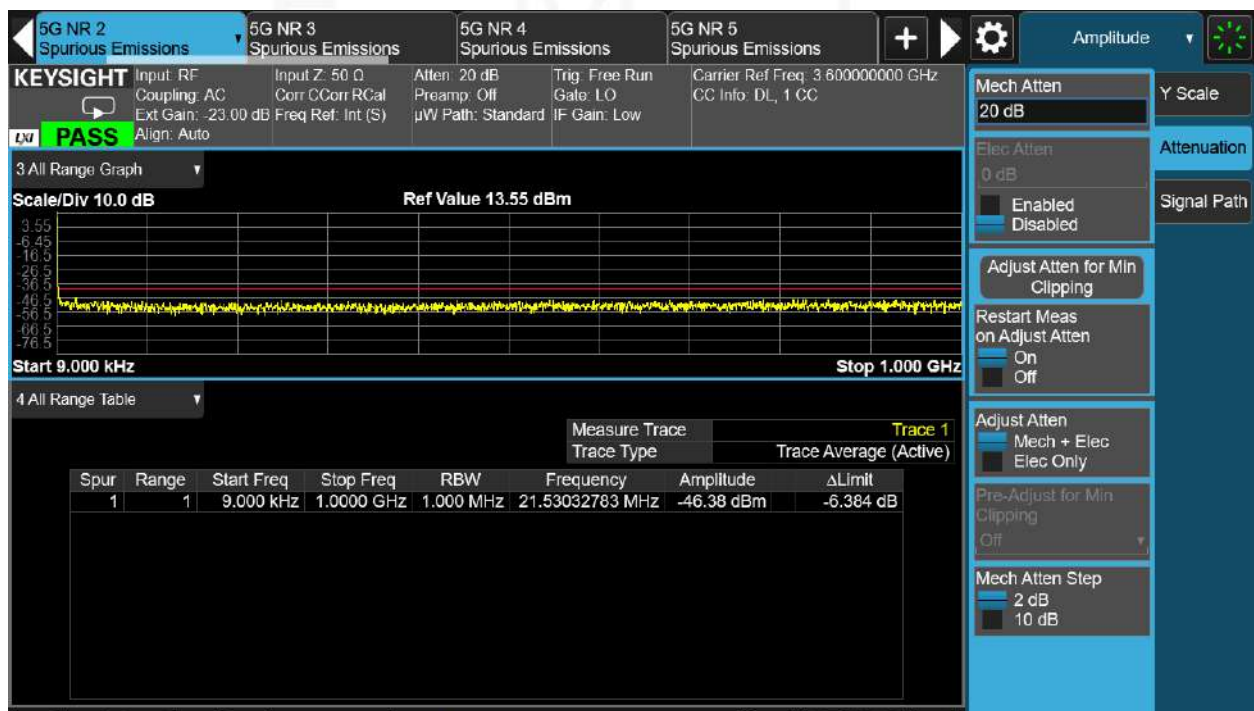


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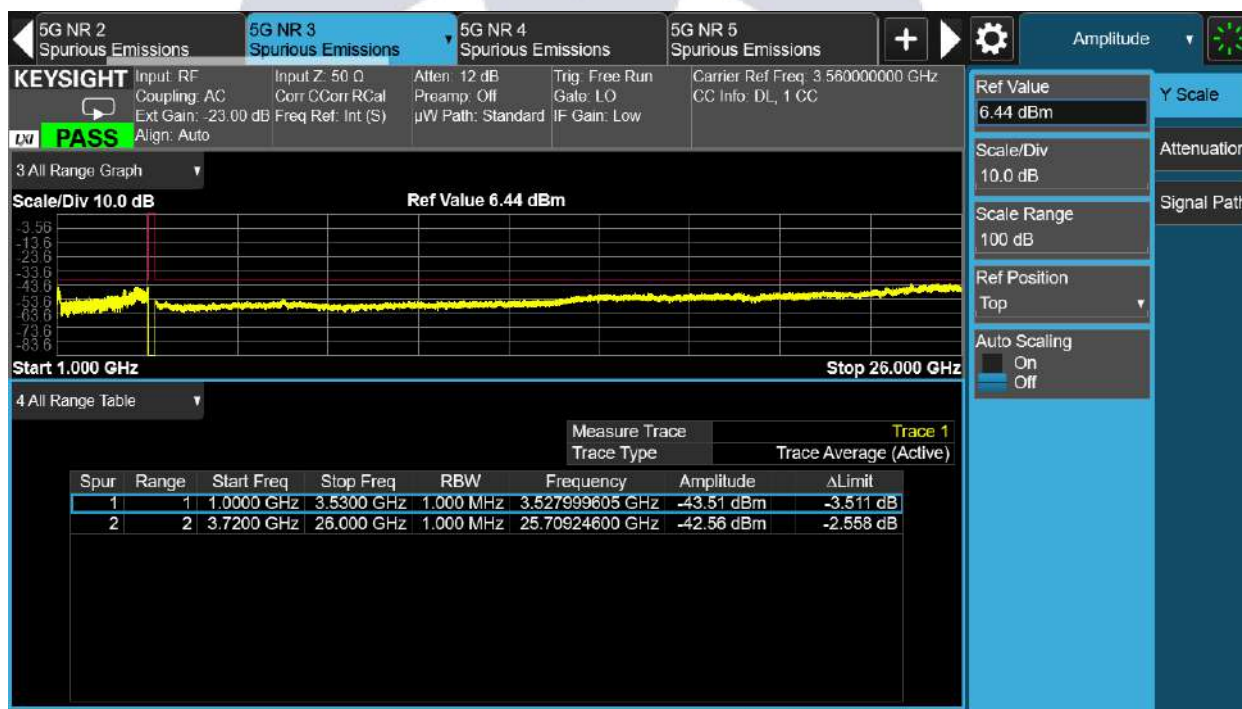
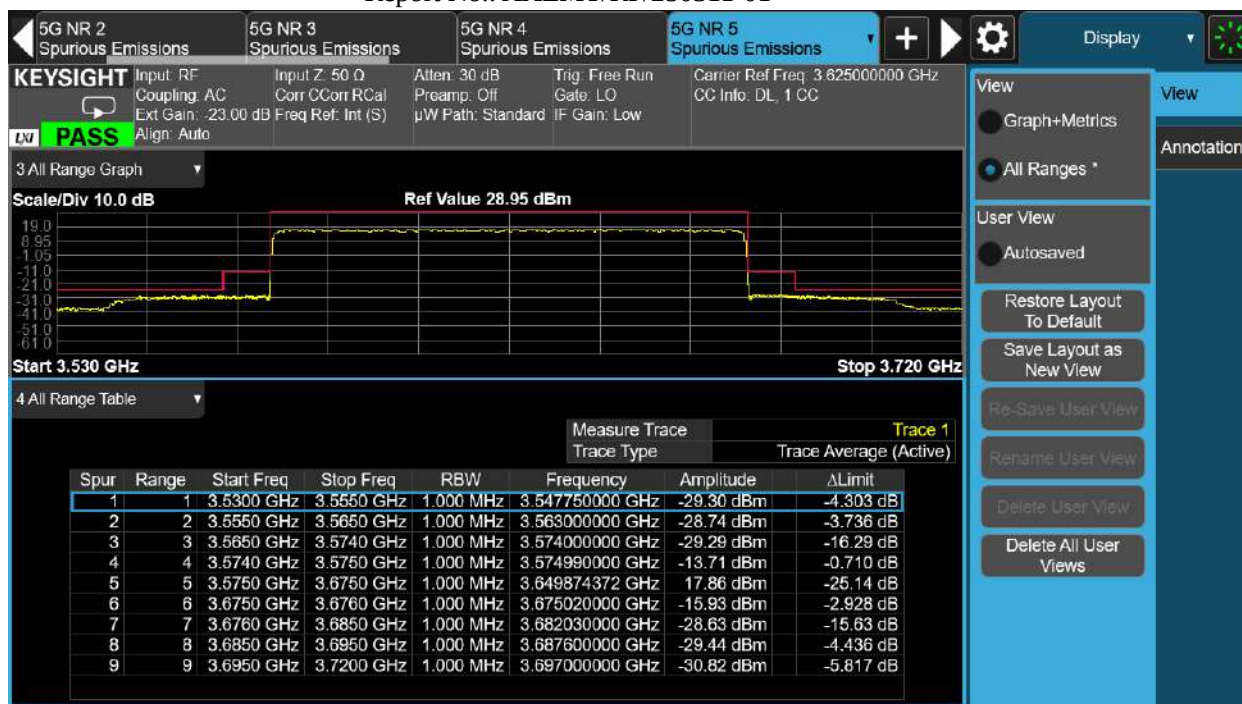


100MHz @3625.005MHz

ANT1



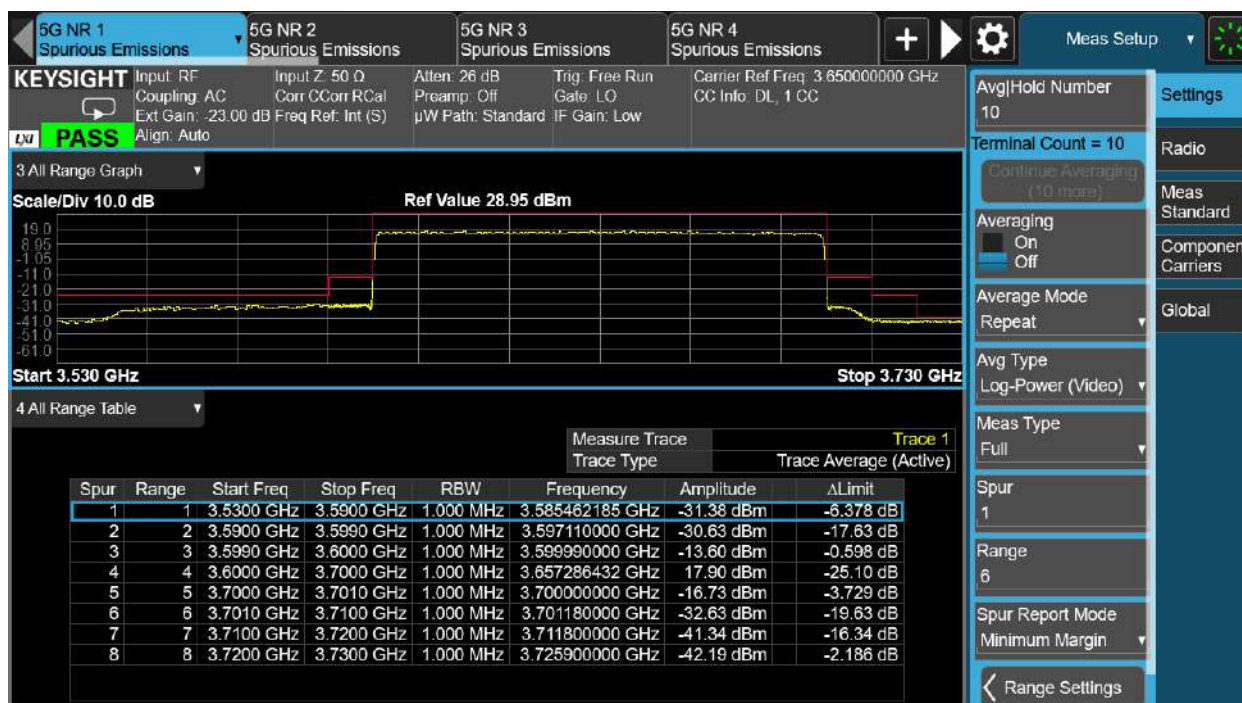
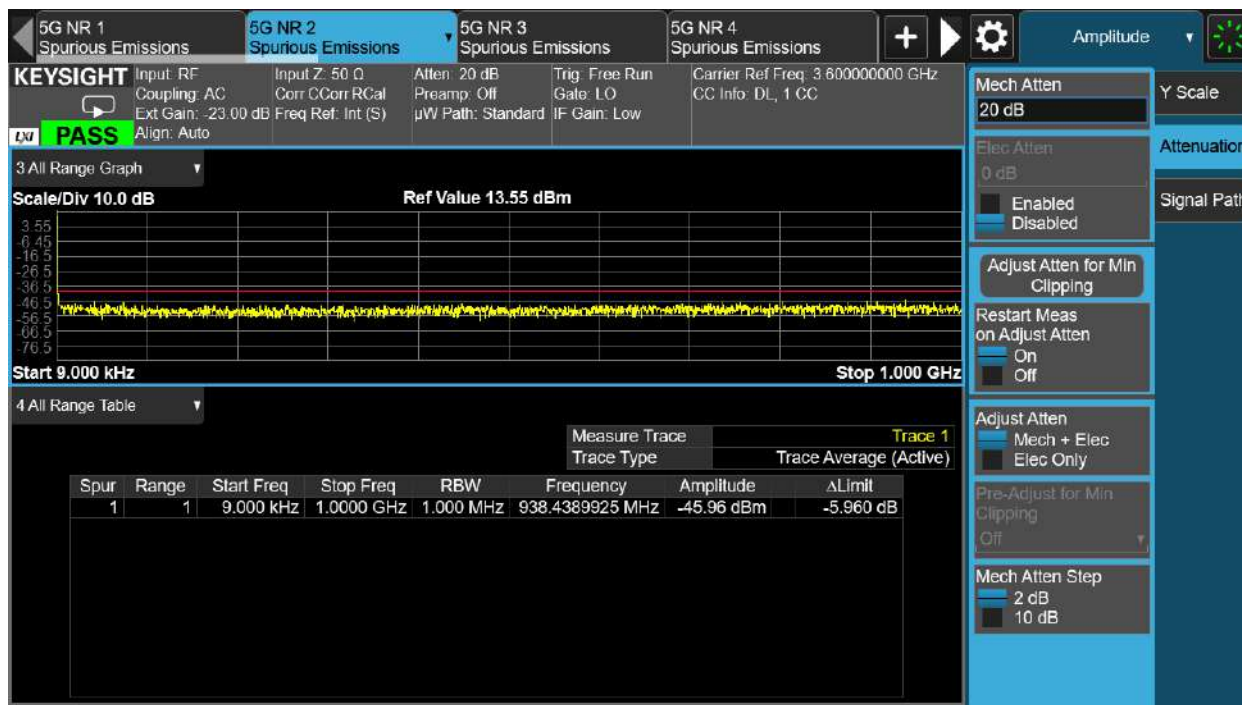
Report No.: AAEMT/RF/250311-01



Report No.: AAEMT/RF/250311-01

100MHz @3649.485MHz

ANT1



Report No.: AAEMT/RF/250311-01



Note:-All the configuration tested but worst case is reported.

1.16 Radiated Spurious Emission

1.16.1 Limits of Radiated Emission Measurement

The power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

$E \text{ (dB}\mu\text{V/m)} = \text{eirp (dbm)} - 20 \log d + 104.8$; where d is the measurement distance in meters.

The emission limit equal to 55.25dB $\mu\text{V/m}$.

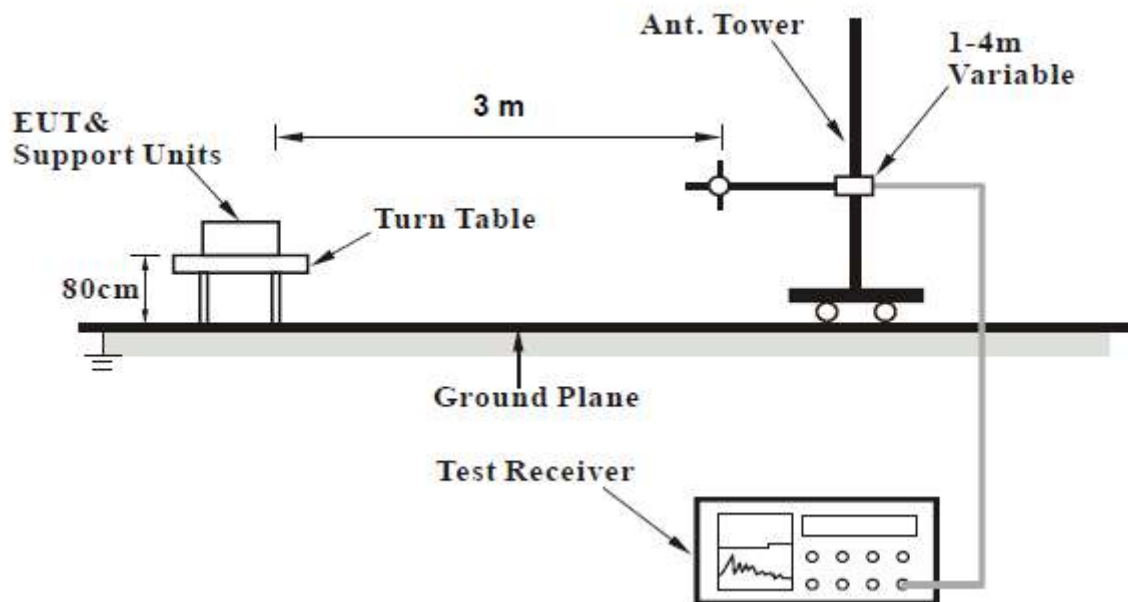
1.16.2 Test Procedure

1. Substitution method is used for e.i.r.p measurement. In the semi-anechoic chamber, eut placed on the 0.8 m (below or equal 1 ghz) and/or 1.5 m (above 1 ghz) height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The “read value” is the spectrum reading the maximum power value.
2. The substitution horn antenna is substituted for eut at the same position and signals generator export the cw signal to the substitution antenna via a tx cable. Rotated the turn table and moved receiving antenna to find the maximum radiation power. Adjust output power level of s.g to get a value of spectrum reading equal to “read value” of step a. Record the power level of s.g.
3. $\text{Eirp} = \text{output power level of s.g} - \text{tx cable loss} + \text{antenna gain}$
4. E.r.p power can be calculated form e.i.r.p power by subtracting the gain of dipole, $\text{e.r.p power} = \text{e.i.r.p power} - 2.15 \text{ db}$

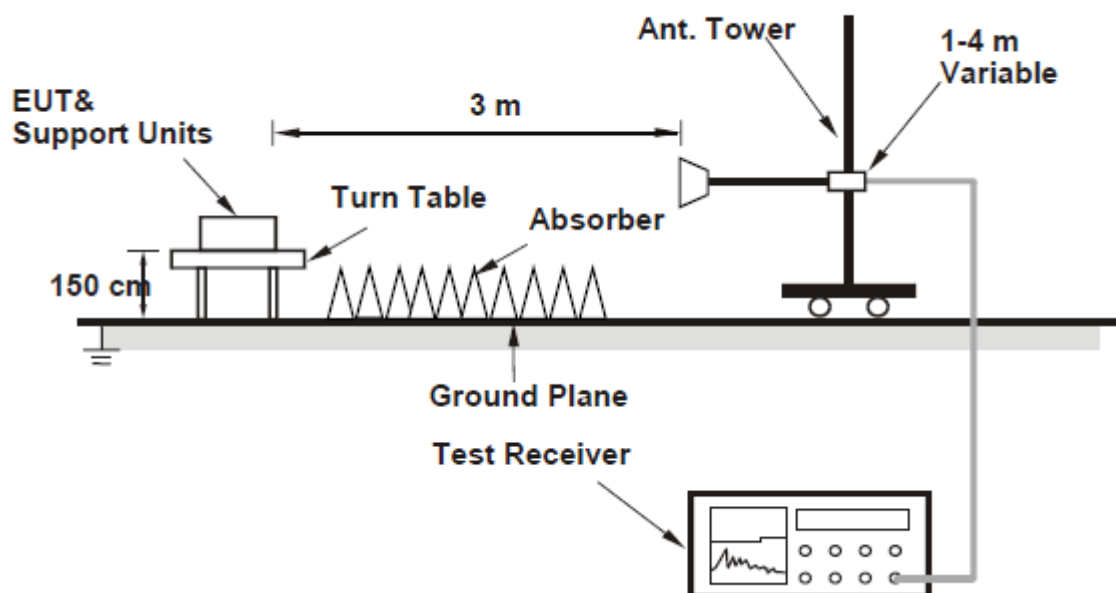
Note: the resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 mhz/3 mhz.

1.16.3 Test Setup

<Radiated Emission below or equal 1 GHz>



<Radiated Emission above 1 GHz>



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1.16.4 Test Results

Channel Bandwidth: 100MHz

3600.570MHz

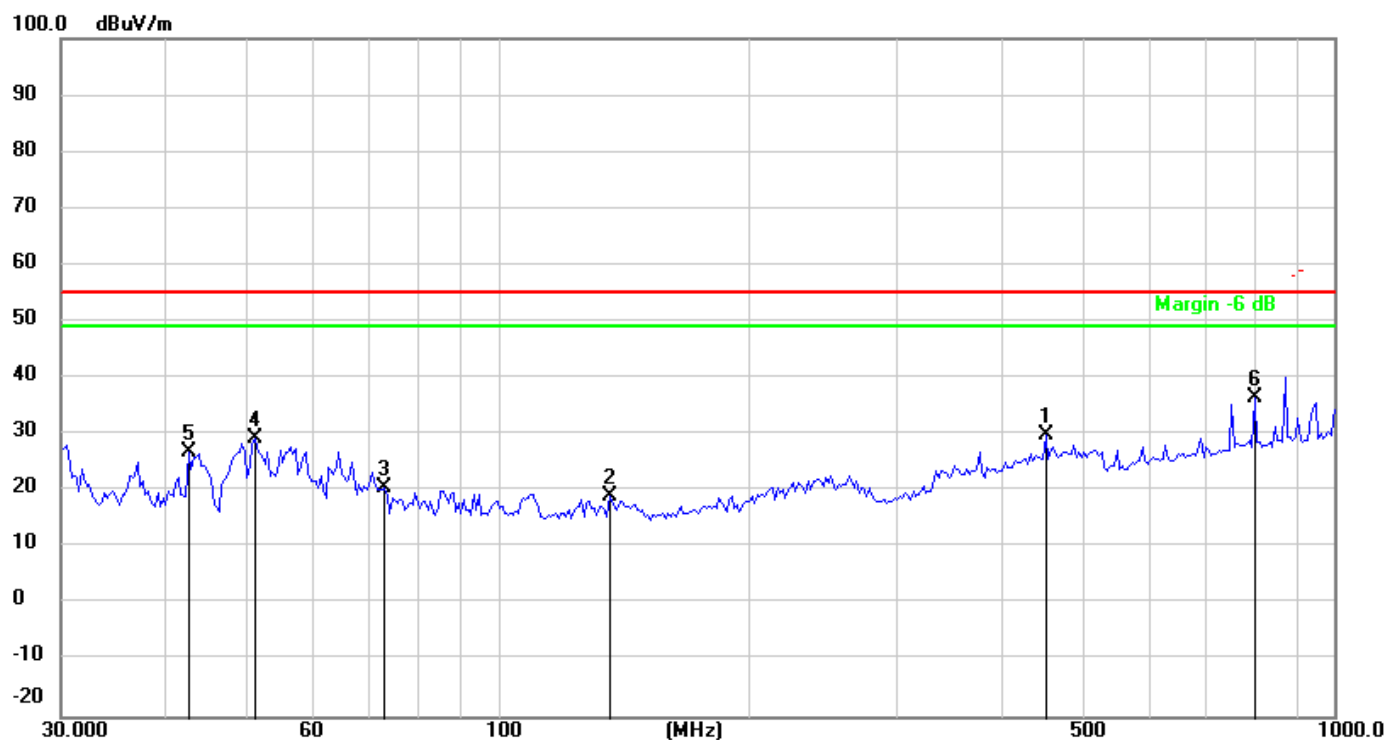
Vertical



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	754.9627	-1.59	35.19	33.60	55.25	-21.65	peak
2	550.2902	-4.79	38.32	33.53	55.25	-21.72	peak
3	225.4267	-12.22	34.23	22.01	55.25	-33.24	peak
4	197.2512	-13.57	37.33	23.76	55.25	-31.49	peak
5	42.9305	-17.57	50.14	32.57	55.25	-22.68	peak
6	53.0056	-14.89	42.45	27.56	55.25	-27.69	peak

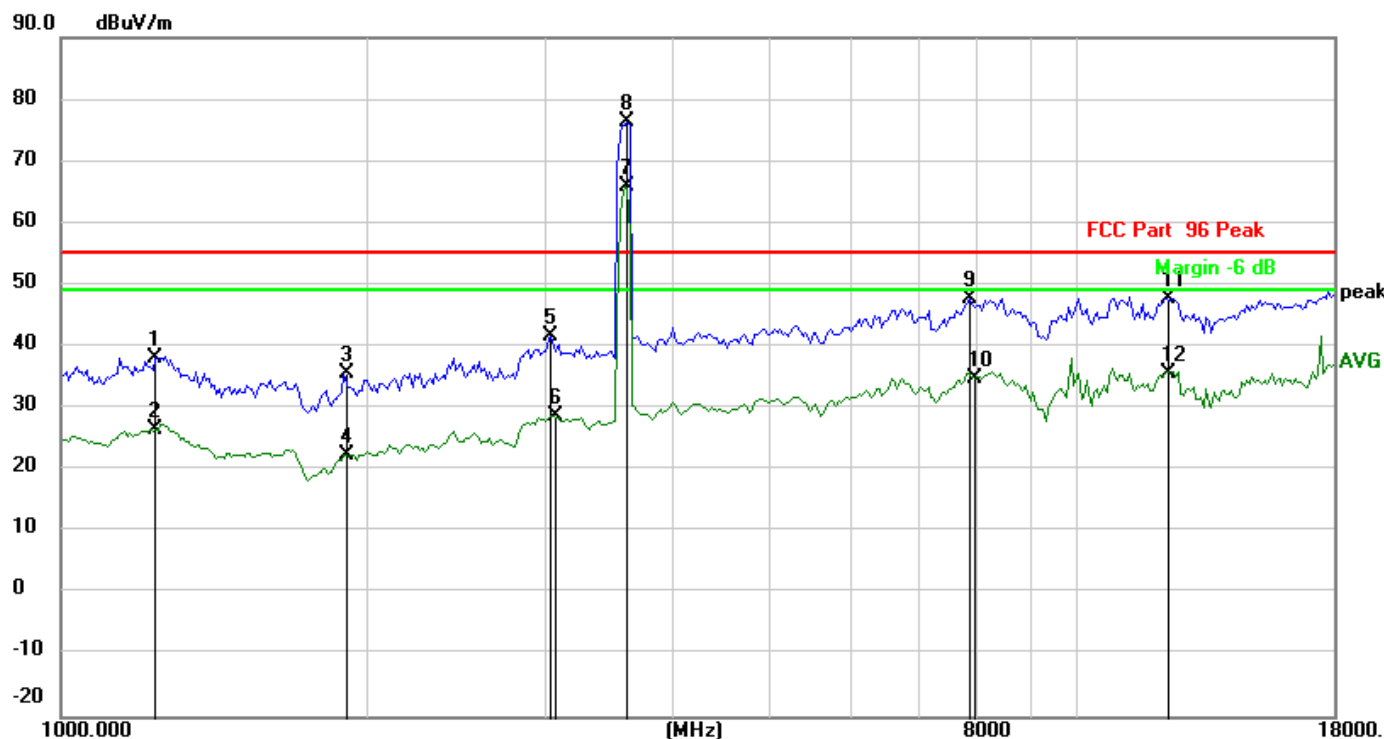
Report No.: AAEMT/RF/250311-01

Horizontal



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	452.0011	-3.85	33.89	30.04	55.25	-25.21	peak
2	135.9162	-14.45	33.66	19.21	55.25	-36.04	peak
3	73.2330	-15.50	36.15	20.65	55.25	-34.60	peak
4	51.1754	-12.86	42.20	29.34	55.25	-25.91	peak
5	42.6298	-15.69	42.54	26.85	55.25	-28.40	peak
6	804.2522	1.03	35.40	36.43	55.25	-18.82	peak

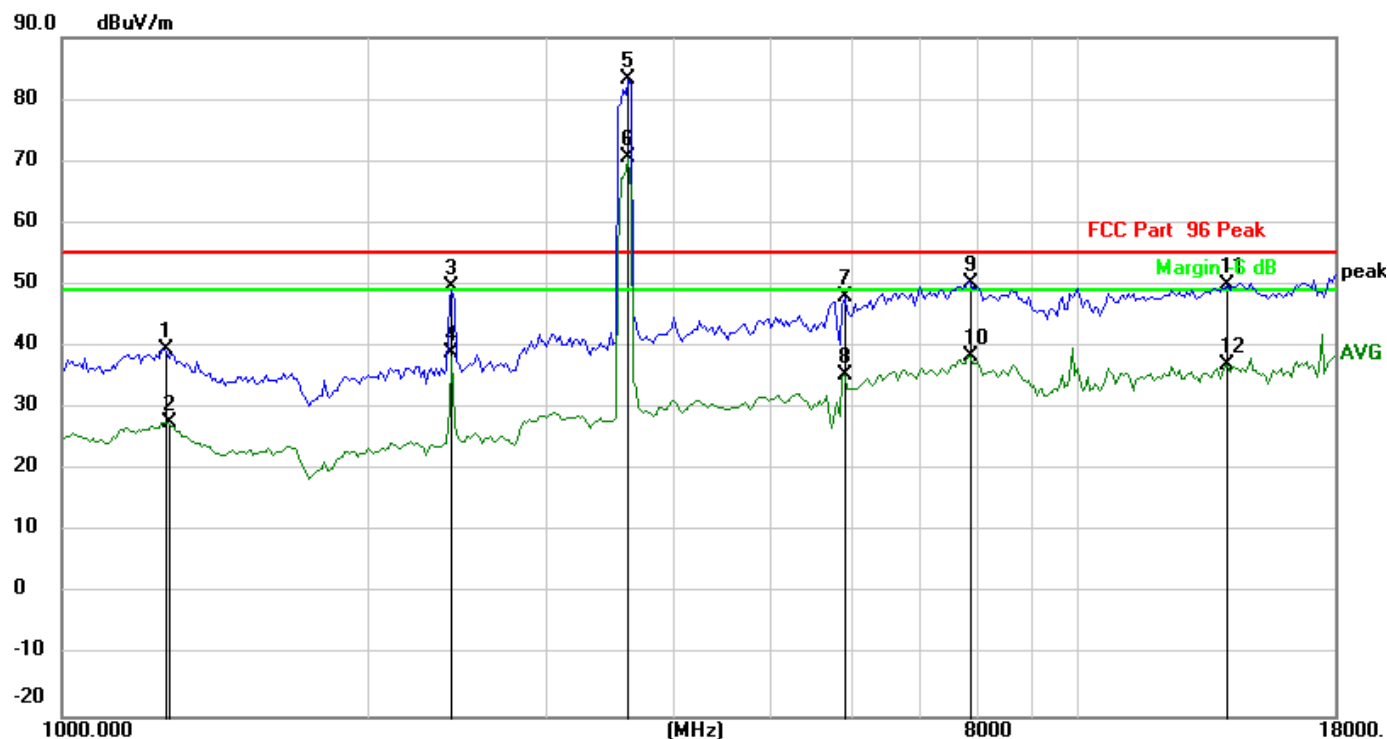
Vertical



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1239.014	-36.05	74.08	38.03	55.25	-17.22	peak
2	1239.014	-36.05	62.68	26.63	55.25	-28.62	AVG
3	1902.081	-38.85	74.54	35.69	55.25	-19.56	peak
4	1902.081	-38.85	61.41	22.56	55.25	-32.69	AVG
5	3040.819	-35.44	77.26	41.82	55.25	-13.43	peak
6	3058.484	-35.49	64.36	28.87	55.25	-26.38	AVG
7	3597.016	-34.13	100.02	65.89	55.25	10.64	AVG
8	3600.570	-34.11	110.49	76.38	55.25	21.13	peak
9	7862.218	-30.95	78.67	47.72	55.25	-7.53	peak
10	7953.829	-31.02	65.92	34.90	55.25	-20.35	AVG
11	12281.304	-28.86	76.61	47.75	55.25	-7.50	peak
12	12281.304	-28.86	64.63	35.77	55.25	-19.48	AVG

Note:- Marker 7 & 8 is desired intentional frequency, Hence considered as PASS.

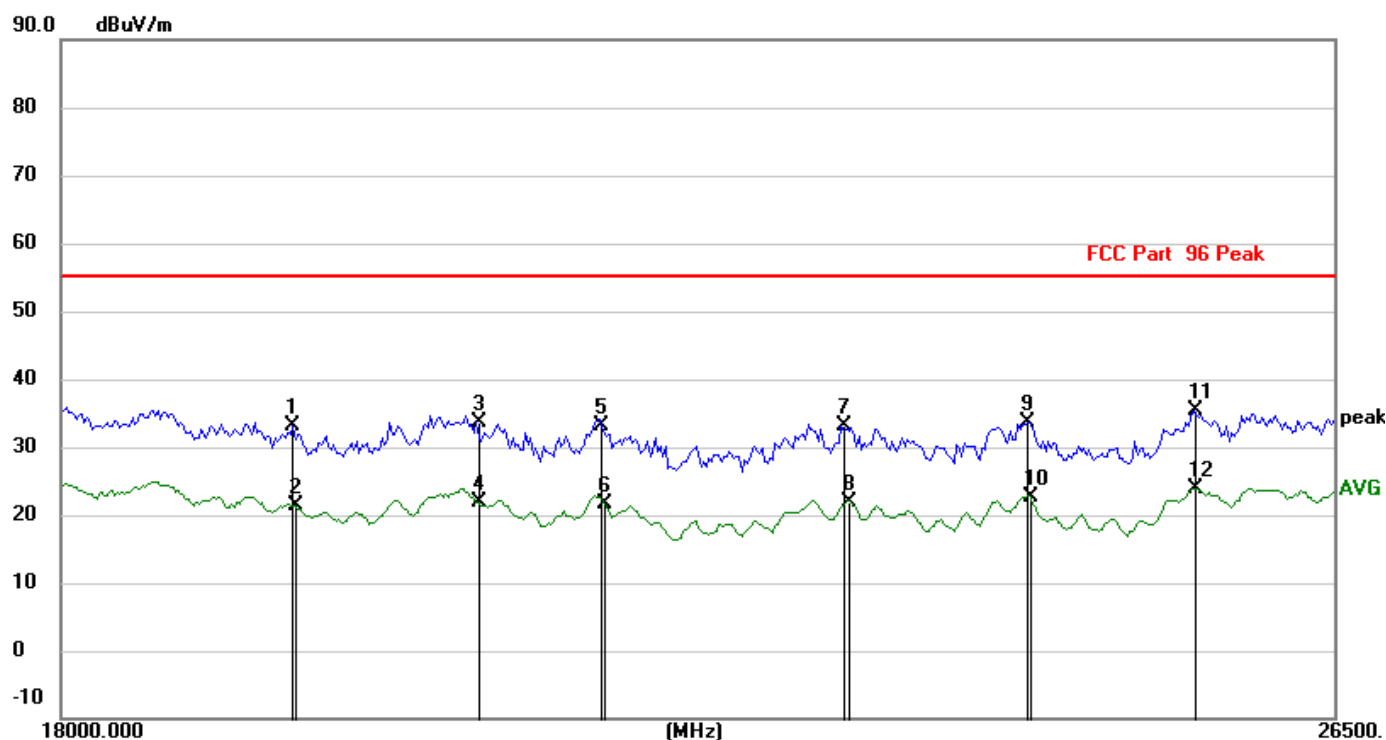
Horizontal



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1260.733	-10.15	49.76	39.61	55.25	-15.64	peak
2	1268.057	-10.15	37.81	27.66	55.25	-27.59	AVG
3	2425.957	-9.95	59.54	49.59	55.25	-5.66	peak
4	2425.957	-9.95	49.00	39.05	55.25	-16.20	AVG
5	3600.570	-4.01	87.19	83.18	55.25	27.93	peak
6	3617.911	-4.04	74.77	70.73	55.25	15.48	AVG
7	5919.457	0.16	48.02	48.18	55.25	-7.07	peak
8	5919.457	0.16	35.32	35.48	55.25	-19.77	AVG
9	7862.218	5.74	44.51	50.25	55.25	-5.00	peak
10	7862.218	5.74	32.74	38.48	55.25	-16.77	AVG
11	14112.966	13.00	37.12	50.12	55.25	-5.13	peak
12	14112.966	13.00	24.13	37.13	55.25	-18.12	AVG

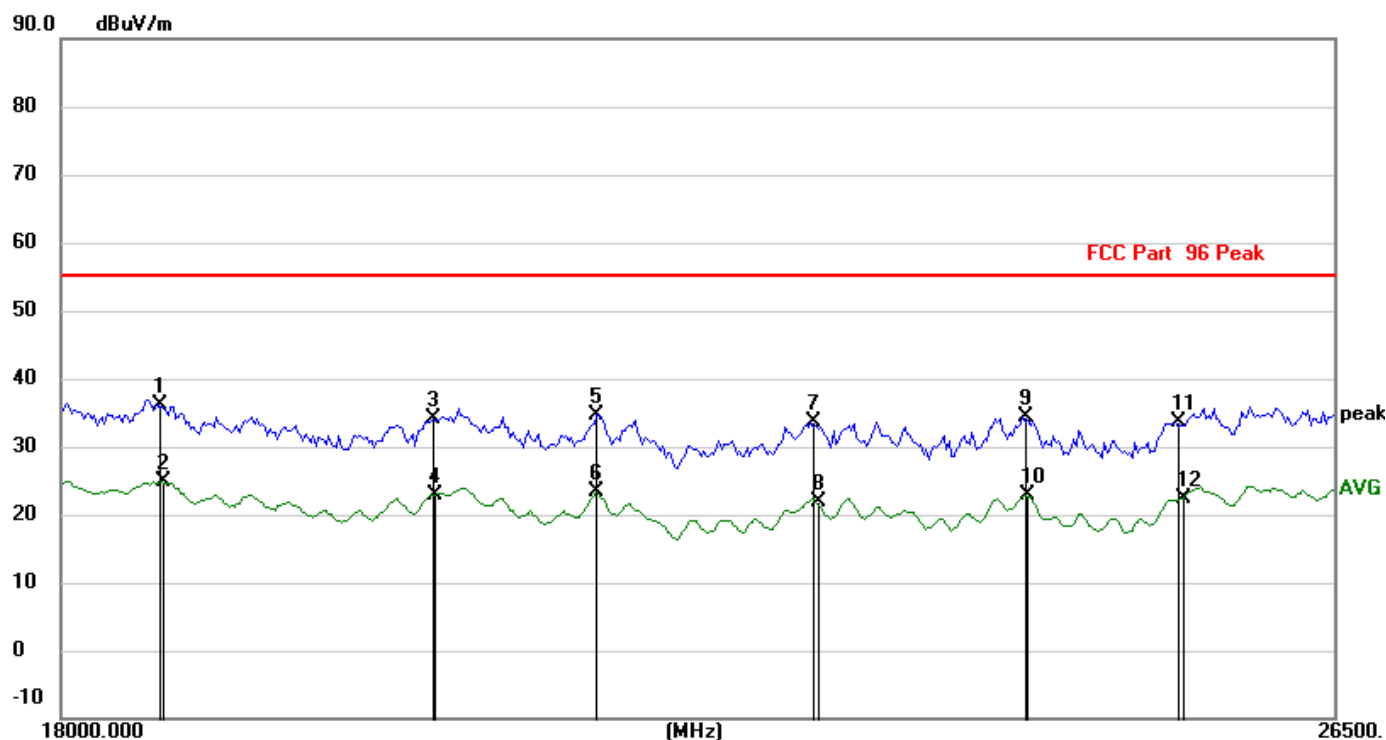
Note:- Marker 5 & 6 is desired intentional frequency, Hence considered as PASS.

Vertical



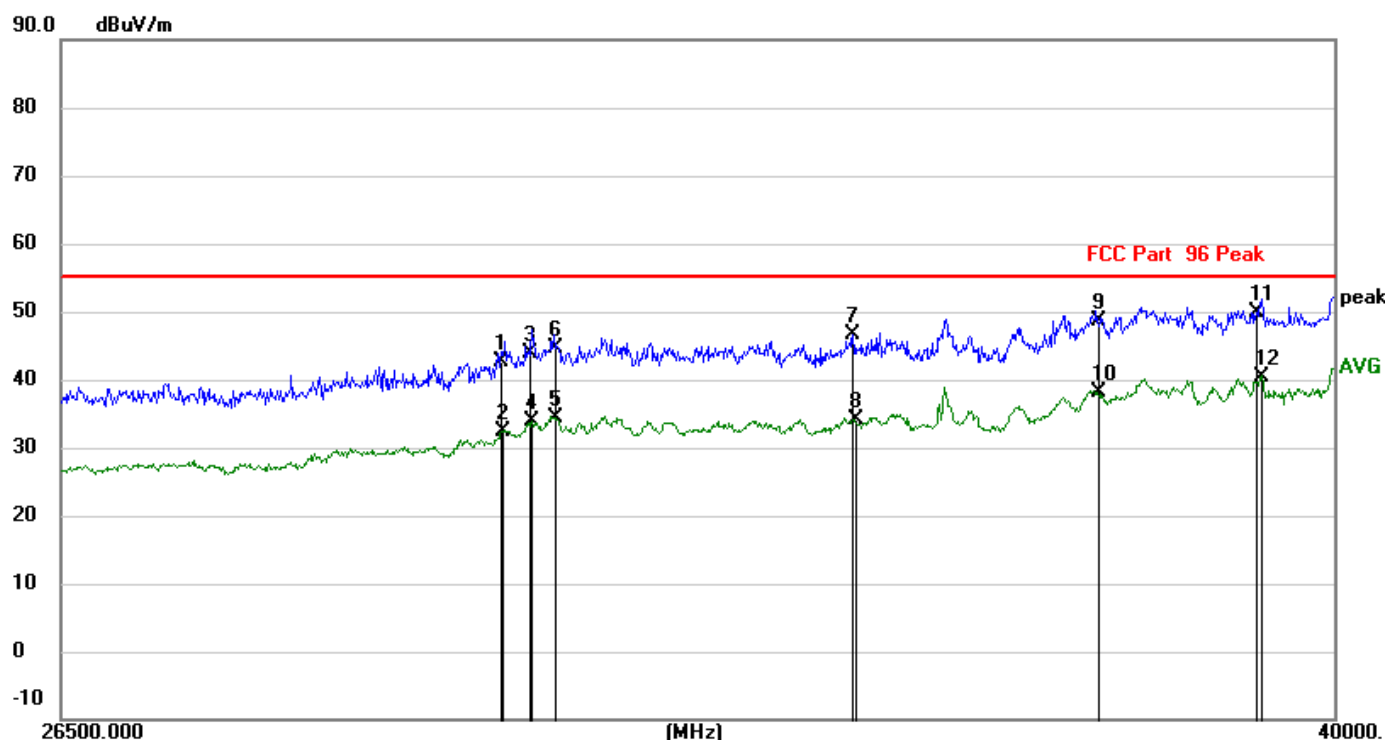
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	19315.454	-6.94	40.14	33.20	55.25	-22.05	peak
2	19330.431	-6.93	28.23	21.30	55.25	-33.95	AVG
3	20424.036	-6.63	40.19	33.56	55.25	-21.69	peak
4	20439.872	-6.63	28.42	21.79	55.25	-33.46	AVG
5	21214.653	-6.44	39.49	33.05	55.25	-22.20	peak
6	21231.103	-6.44	28.07	21.63	55.25	-33.62	AVG
7	22818.034	-6.09	39.10	33.01	55.25	-22.24	peak
8	22853.434	-6.08	28.06	21.98	55.25	-33.27	AVG
9	24146.349	-5.85	39.54	33.69	55.25	-21.56	peak
10	24165.072	-5.84	28.41	22.57	55.25	-32.68	AVG
11	25394.039	-5.66	41.09	35.43	55.25	-19.82	peak
12	25413.729	-5.65	29.55	23.90	55.25	-31.35	AVG

Horizontal



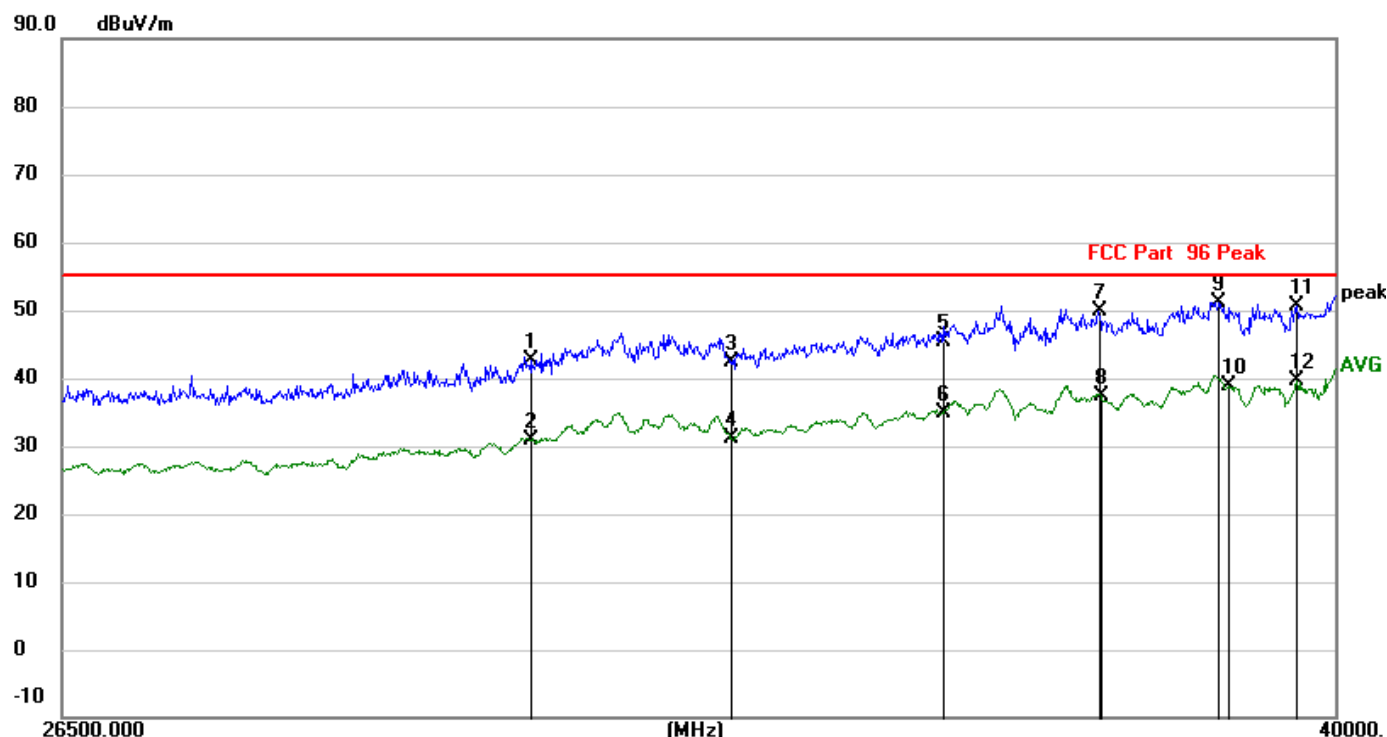
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18538.051	-7.16	43.29	36.13	55.25	-19.12	peak
2	18552.425	-7.15	31.93	24.78	55.25	-30.47	AVG
3	20156.681	-6.71	40.84	34.13	55.25	-21.12	peak
4	20172.310	-6.70	29.55	22.85	55.25	-32.40	AVG
5	21181.792	-6.45	41.05	34.60	55.25	-20.65	peak
6	21181.792	-6.45	29.71	23.26	55.25	-31.99	AVG
7	22606.784	-6.13	39.78	33.65	55.25	-21.60	peak
8	22641.856	-6.12	28.06	21.94	55.25	-33.31	AVG
9	24108.947	-5.85	40.14	34.29	55.25	-20.96	peak
10	24127.641	-5.85	28.76	22.91	55.25	-32.34	AVG
11	25256.632	-5.68	39.20	33.52	55.25	-21.73	peak
12	25315.429	-5.67	28.06	22.39	55.25	-32.86	AVG

Vertical



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30544.762	1.38	41.23	42.61	55.25	-12.64	peak
2	30557.341	1.38	31.00	32.38	55.25	-22.87	AVG
3	30848.090	1.44	42.53	43.97	55.25	-11.28	peak
4	30860.794	1.44	32.35	33.79	55.25	-21.46	AVG
5	31077.562	1.48	33.00	34.48	55.25	-20.77	AVG
6	31090.360	1.48	43.13	44.61	55.25	-10.64	peak
7	34234.836	1.99	44.52	46.51	55.25	-8.74	peak
8	34248.935	2.00	32.02	34.02	55.25	-21.23	AVG
9	37051.054	2.48	46.24	48.72	55.25	-6.53	peak
10	37051.054	2.48	35.76	38.24	55.25	-17.01	AVG
11	39007.878	2.79	47.02	49.81	55.25	-5.44	peak
12	39056.091	2.80	37.48	40.28	55.25	-14.97	AVG

Horizontal

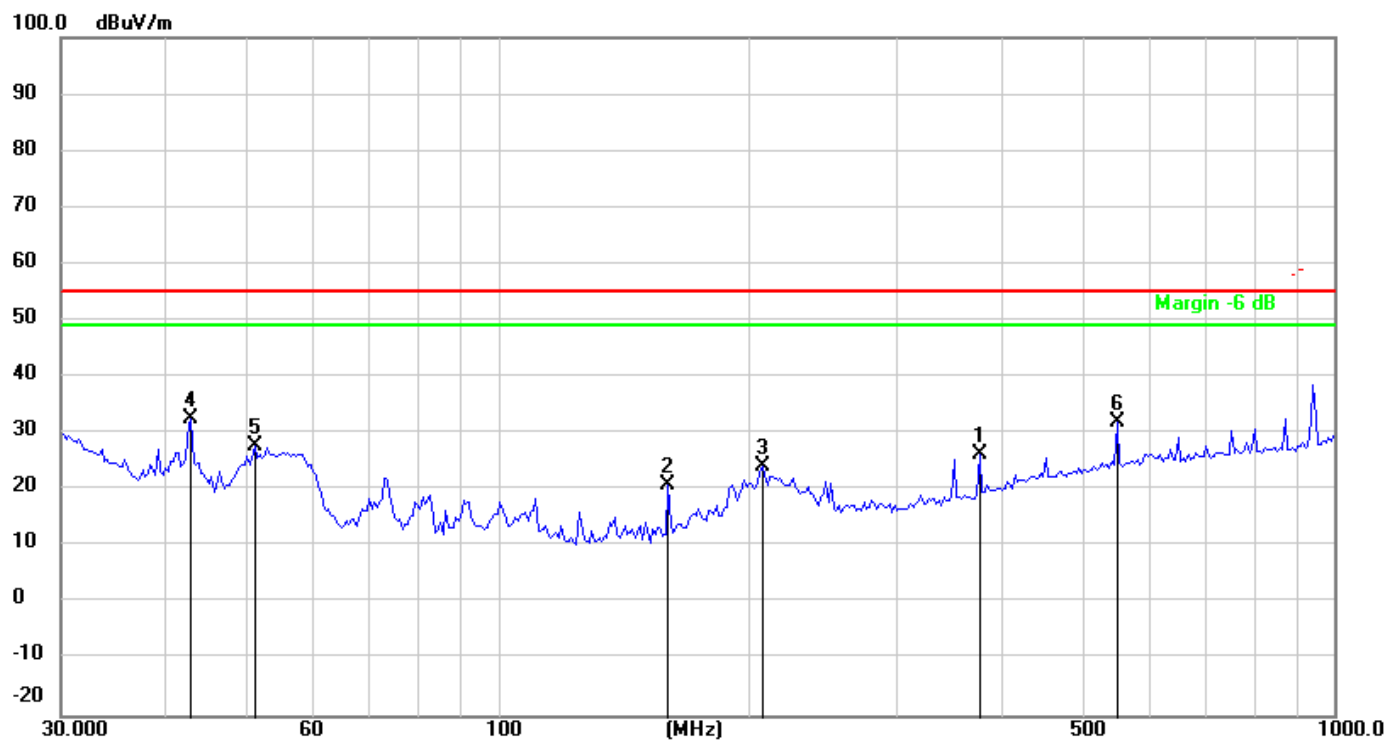


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30848.090	1.44	41.21	42.65	55.25	-12.60	peak
2	30848.090	1.44	29.51	30.95	55.25	-24.30	AVG
3	32894.500	1.80	40.48	42.28	55.25	-12.97	peak
4	32894.500	1.80	29.38	31.18	55.25	-24.07	AVG
5	35221.385	2.15	43.33	45.48	55.25	-9.77	peak
6	35221.385	2.15	32.74	34.89	55.25	-20.36	AVG
7	37051.054	2.48	47.32	49.80	55.25	-5.45	peak
8	37081.577	2.49	34.93	37.42	55.25	-17.83	AVG
9	38529.015	2.72	48.50	51.22	55.25	-4.03	peak
10	38656.134	2.74	36.22	38.96	55.25	-16.29	AVG
11	39508.957	2.87	47.76	50.63	55.25	-4.62	peak
12	39508.957	2.87	36.80	39.67	55.25	-15.58	AVG

Channel Bandwidth: 100MHz

3625.005MHz

Vertical



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	376.5227	-7.70	33.92	26.22	55.25	-29.03	peak
2	159.7583	-15.80	36.69	20.89	55.25	-34.36	peak
3	207.1966	-13.06	37.21	24.15	55.25	-31.10	peak
4	42.9305	-17.57	50.14	32.57	55.25	-22.68	peak
5	51.1754	-14.86	42.59	27.73	55.25	-27.52	peak
6	550.2902	-4.79	36.82	32.03	55.25	-23.22	peak

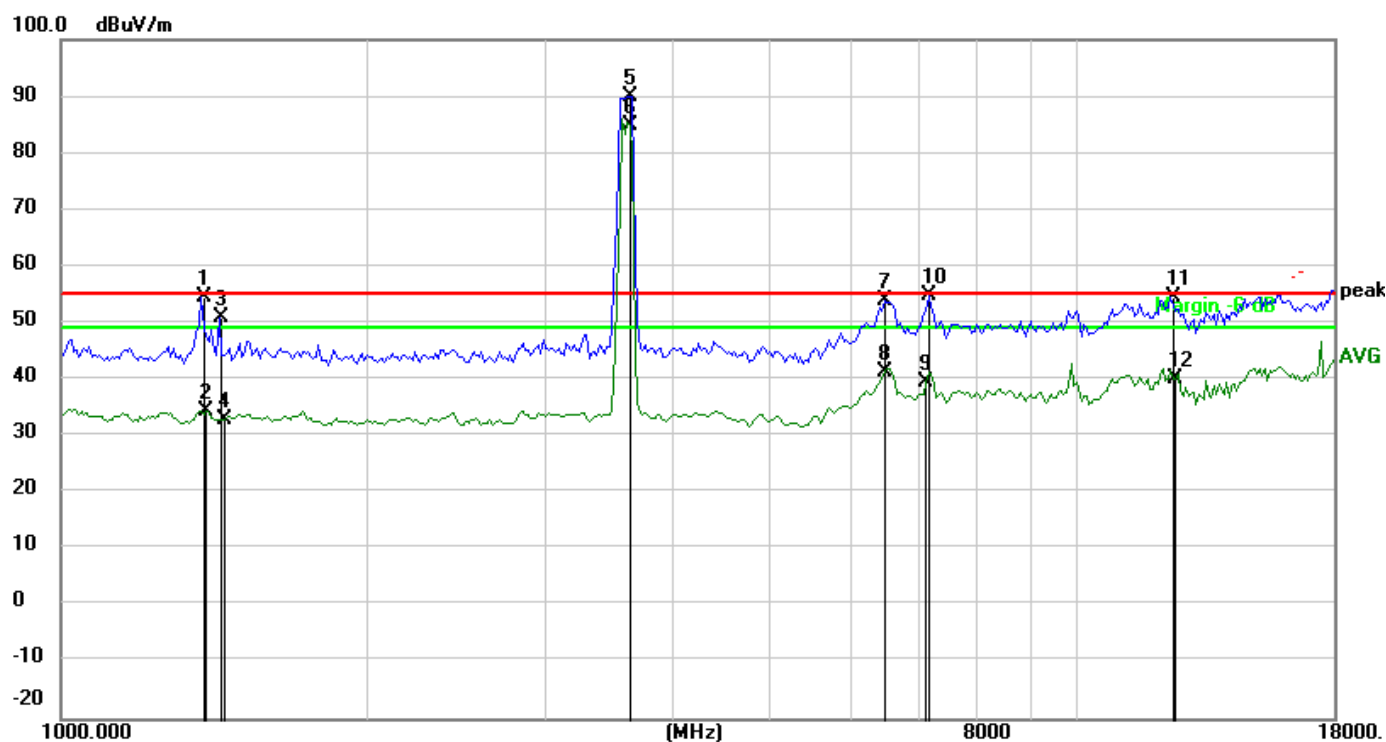
Horizontal

100.0 dBuV/m



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.0000	-11.92	41.89	29.97	55.25	-25.28	peak
2	37.0405	-17.48	43.69	26.21	55.25	-29.04	peak
3	42.6299	-15.69	42.54	26.85	55.25	-28.40	peak
4	51.1755	-12.86	41.20	28.34	55.25	-26.91	peak
5	263.1154	-8.73	35.46	26.73	55.25	-28.52	peak
6	875.0132	1.92	37.09	39.01	55.25	-16.24	peak

Vertical

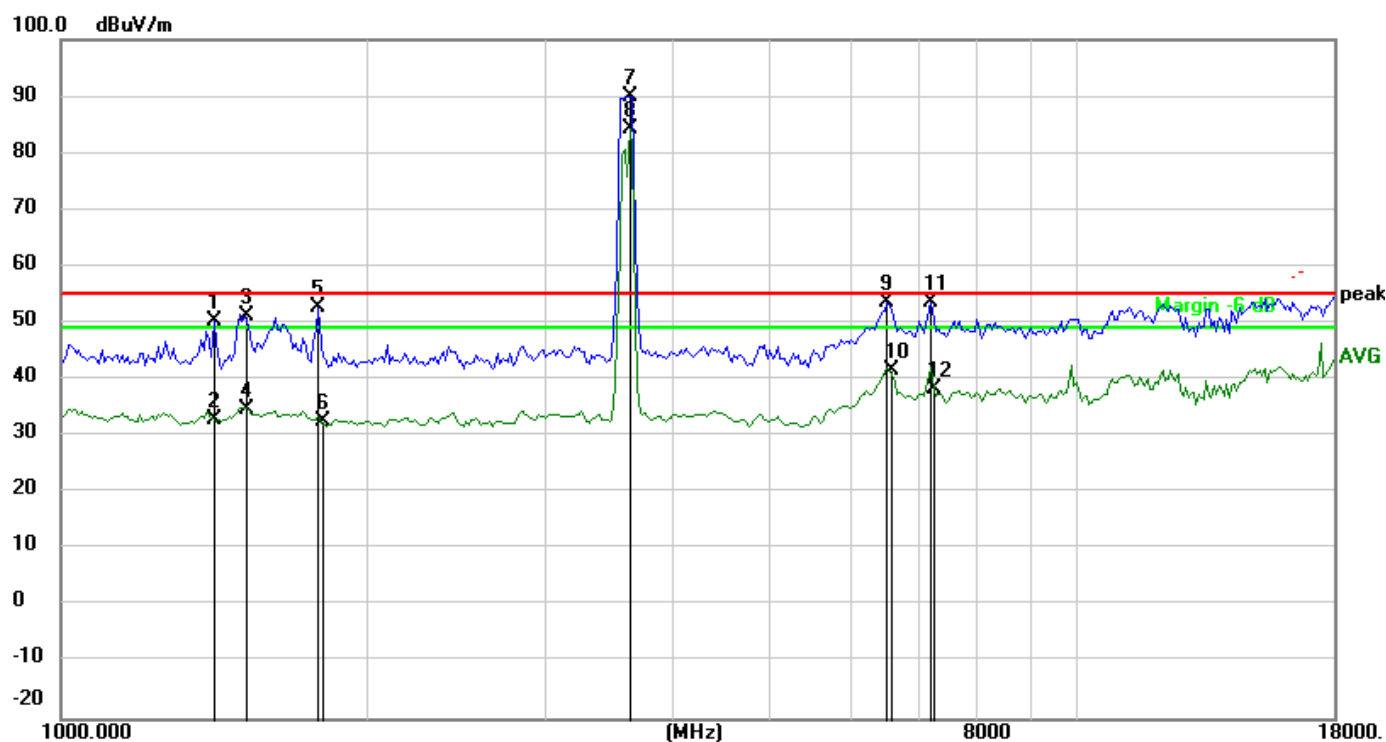


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1375.171	-4.30	58.84	54.54	55.25	-0.71	peak
2	1391.194	-4.31	38.62	34.31	55.25	-20.94	AVG
3	1432.075	-4.17	55.17	51.00	55.25	-4.25	peak
4	1448.761	-4.11	37.10	32.99	55.25	-22.26	AVG
5	3625.000	-0.94	90.78	89.84	55.25	34.59	peak
6	3638.928	-0.92	85.92	85.00	55.25	29.75	AVG
7	6494.281	8.59	45.34	53.93	55.25	-1.32	peak
8	6494.281	8.59	32.89	41.48	55.25	-13.77	AVG
9	7124.925	3.52	36.03	39.55	55.25	-15.70	AVG
10	7166.315	3.55	51.22	54.77	55.25	-0.48	peak
11	12424.406	8.43	46.06	54.49	55.25	-0.76	peak
12	12569.175	8.44	31.59	40.03	55.25	-15.22	AVG

Note:- Marker 5 & 6 is desired intentional frequency, Hence considered as PASS.

Report No.: AAEMT/RF/250311-01

Horizontal

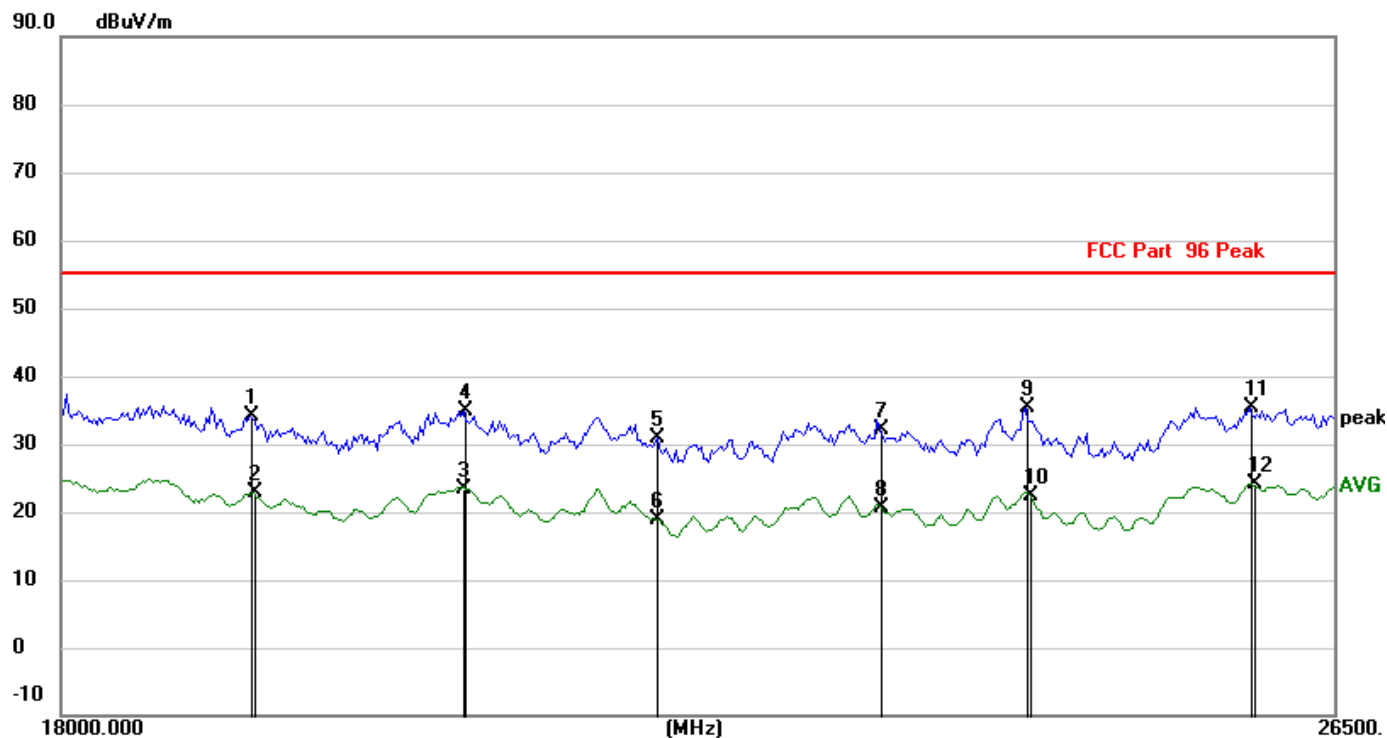


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1415.580	21.71	28.72	50.43	55.25	-4.82	peak
2	1415.580	21.71	11.26	32.97	55.25	-22.28	AVG
3	1517.475	22.13	29.10	51.23	55.25	-4.02	peak
4	1526.290	22.14	12.76	34.90	55.25	-20.35	AVG
5	1795.036	22.49	30.19	52.68	55.25	-2.57	peak
6	1805.464	22.50	10.19	32.69	55.25	-22.56	AVG
7	3625.000	29.20	60.64	89.84	55.25	34.59	peak
8	3638.928	29.24	55.11	84.35	55.25	29.10	AVG
9	6532.007	29.99	23.64	53.63	55.25	-1.62	peak
10	6569.953	31.25	10.46	41.71	55.25	-13.54	AVG
11	7207.945	39.75	13.86	53.61	55.25	-1.64	peak
12	7249.817	39.80	-1.42	38.38	55.25	-16.87	AVG

Note:- Marker 7 & 8 is desired intentional frequency, Hence considered as PASS.

Report No.: AAEMT/RF/250311-01

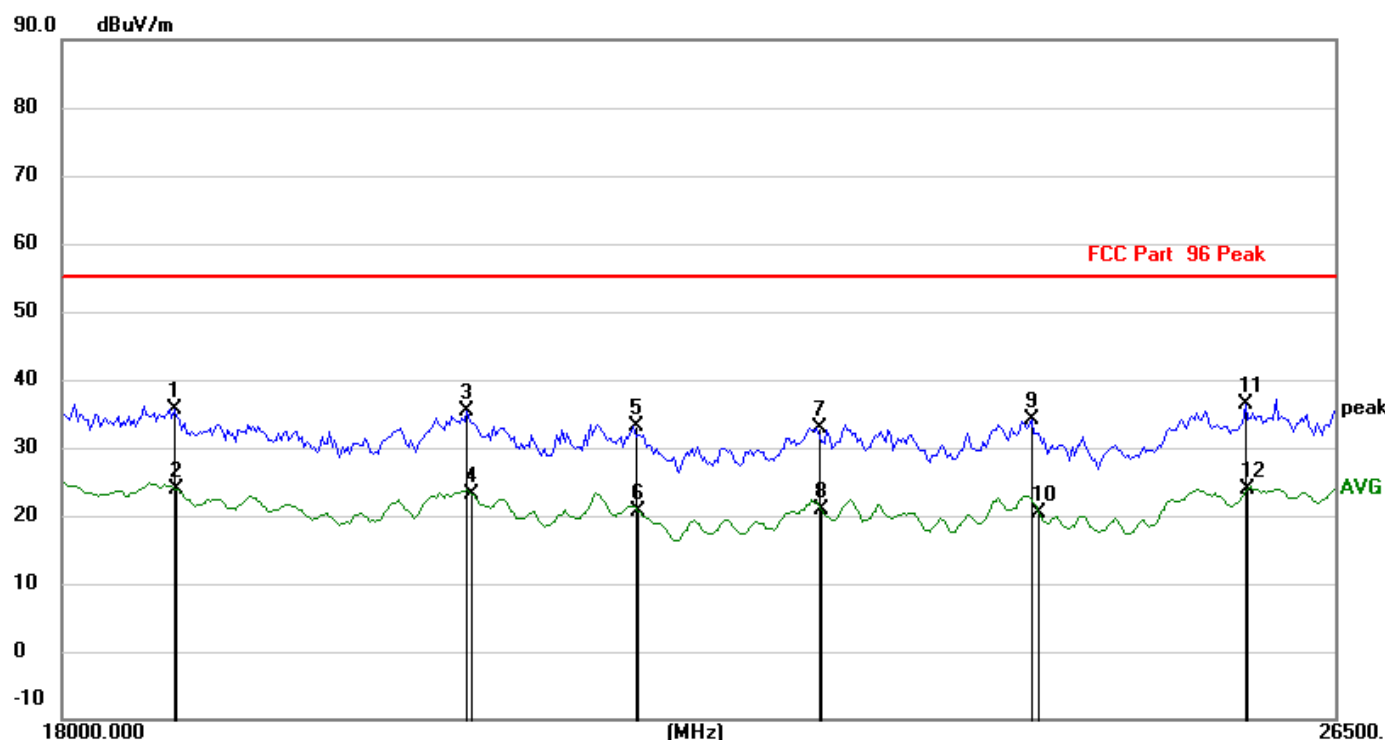
Vertical



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	19062.611	-7.02	41.20	34.18	55.25	-21.07	peak
2	19077.392	-7.02	29.86	22.84	55.25	-32.41	AVG
3	20329.273	-6.66	30.14	23.48	55.25	-31.77	AVG
4	20345.036	-6.65	41.59	34.94	55.25	-20.31	peak
5	21579.510	-6.35	37.23	30.88	55.25	-24.37	peak
6	21579.510	-6.35	25.31	18.96	55.25	-36.29	AVG
7	23084.875	-6.05	38.25	32.20	55.25	-23.05	peak
8	23102.774	-6.05	26.70	20.65	55.25	-34.60	AVG
9	24127.641	-5.85	41.28	35.43	55.25	-19.82	peak
10	24165.072	-5.84	28.23	22.39	55.25	-32.86	AVG
11	25830.774	-5.60	41.05	35.45	55.25	-19.80	peak
12	25850.803	-5.59	29.70	24.11	55.25	-31.14	AVG

Report No.: AAEMT/RF/250311-01

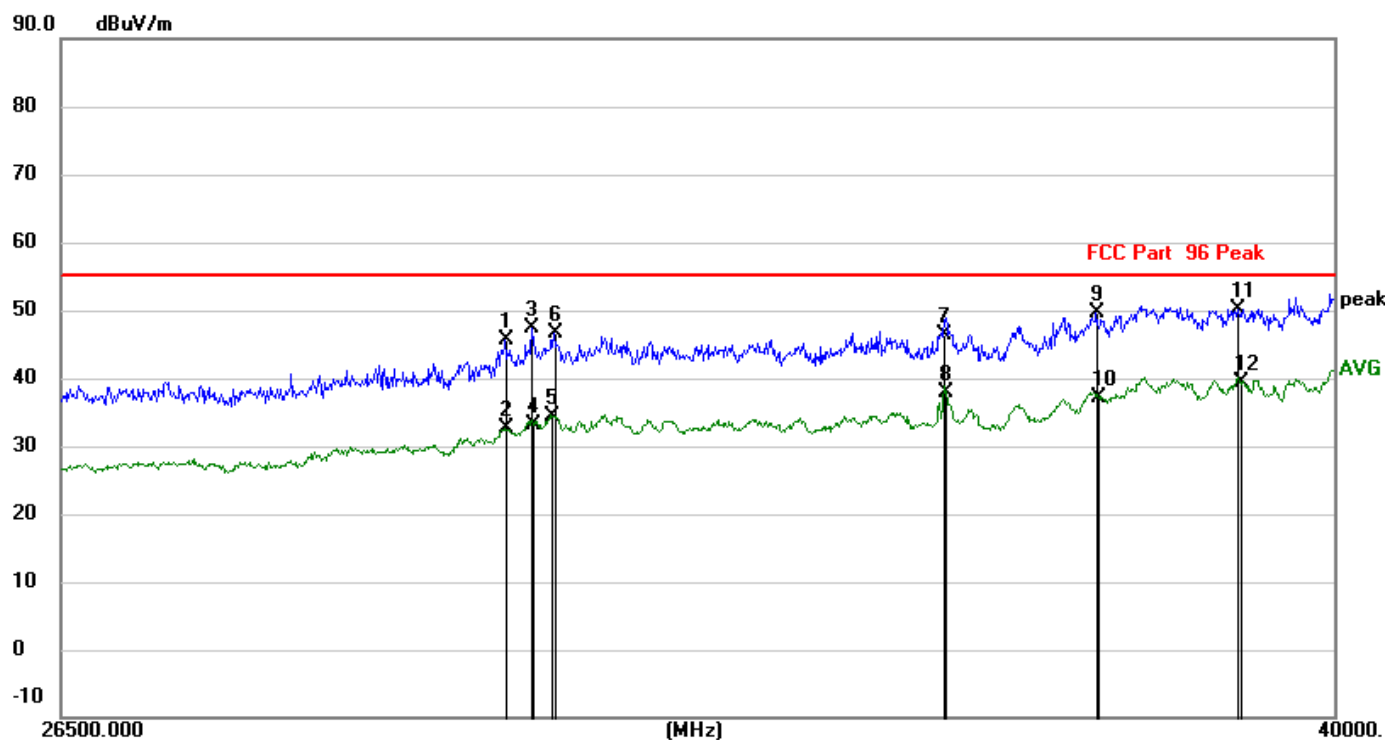
Horizontal



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18624.464	-7.13	42.76	35.63	55.25	-19.62	peak
2	18638.905	-7.14	31.09	23.95	55.25	-31.30	AVG
3	20360.811	-6.65	42.04	35.39	55.25	-19.86	peak
4	20392.399	-6.64	29.70	23.06	55.25	-32.19	AVG
5	21412.895	-6.39	39.44	33.05	55.25	-22.20	peak
6	21446.114	-6.38	27.10	20.72	55.25	-34.53	AVG
7	22641.856	-6.12	39.04	32.92	55.25	-22.33	peak
8	22676.982	-6.11	26.90	20.79	55.25	-34.46	AVG
9	24165.072	-5.84	39.91	34.07	55.25	-21.18	peak
10	24221.328	-5.83	26.25	20.42	55.25	-34.83	AVG
11	25790.762	-5.60	42.07	36.47	55.25	-18.78	peak
12	25810.760	-5.60	29.55	23.95	55.25	-31.30	AVG

Report No.: AAEMT/RF/250311-01

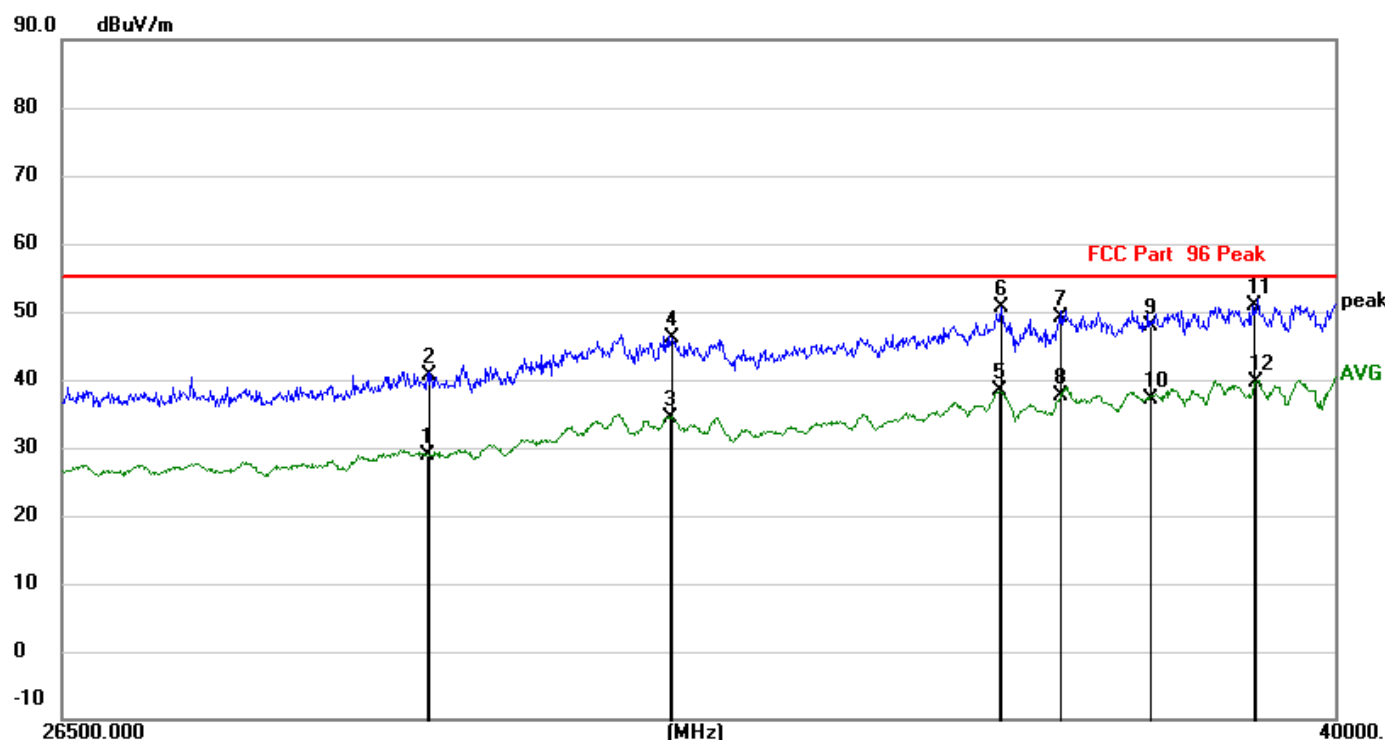
Vertical



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30595.109	1.39	44.35	45.74	55.25	-9.51	peak
2	30595.109	1.39	31.17	32.56	55.25	-22.69	AVG
3	30860.794	1.44	46.02	47.46	55.25	-7.79	peak
4	30873.503	1.44	31.77	33.21	55.25	-22.04	AVG
5	31064.768	1.47	33.00	34.47	55.25	-20.78	AVG
6	31077.562	1.48	45.17	46.65	55.25	-8.60	peak
7	35250.401	2.15	44.19	46.34	55.25	-8.91	peak
8	35279.440	2.16	35.73	37.89	55.25	-17.36	AVG
9	37035.802	2.47	47.27	49.74	55.25	-5.51	peak
10	37066.312	2.49	34.58	37.07	55.25	-18.18	AVG
11	38767.707	2.76	47.44	50.20	55.25	-5.05	peak
12	38799.645	2.76	36.74	39.50	55.25	-15.75	AVG

Report No.: AAEMT/RF/250311-01

Horizontal



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29811.698	1.22	27.59	28.81	55.25	-26.44	AVG
2	29823.975	1.23	39.28	40.51	55.25	-14.74	peak
3	32264.060	1.69	32.68	34.37	55.25	-20.88	AVG
4	32277.347	1.70	44.51	46.21	55.25	-9.04	peak
5	35894.828	2.27	36.23	38.50	55.25	-16.75	AVG
6	35909.610	2.28	48.32	50.60	55.25	-4.65	peak
7	36581.148	2.40	46.74	49.14	55.25	-6.11	peak
8	36596.213	2.40	35.21	37.61	55.25	-17.64	AVG
9	37666.315	2.58	45.21	47.79	55.25	-7.46	peak
10	37666.315	2.58	34.65	37.23	55.25	-18.02	AVG
11	38943.688	2.79	48.04	50.83	55.25	-4.42	peak
12	38975.770	2.79	36.78	39.57	55.25	-15.68	AVG

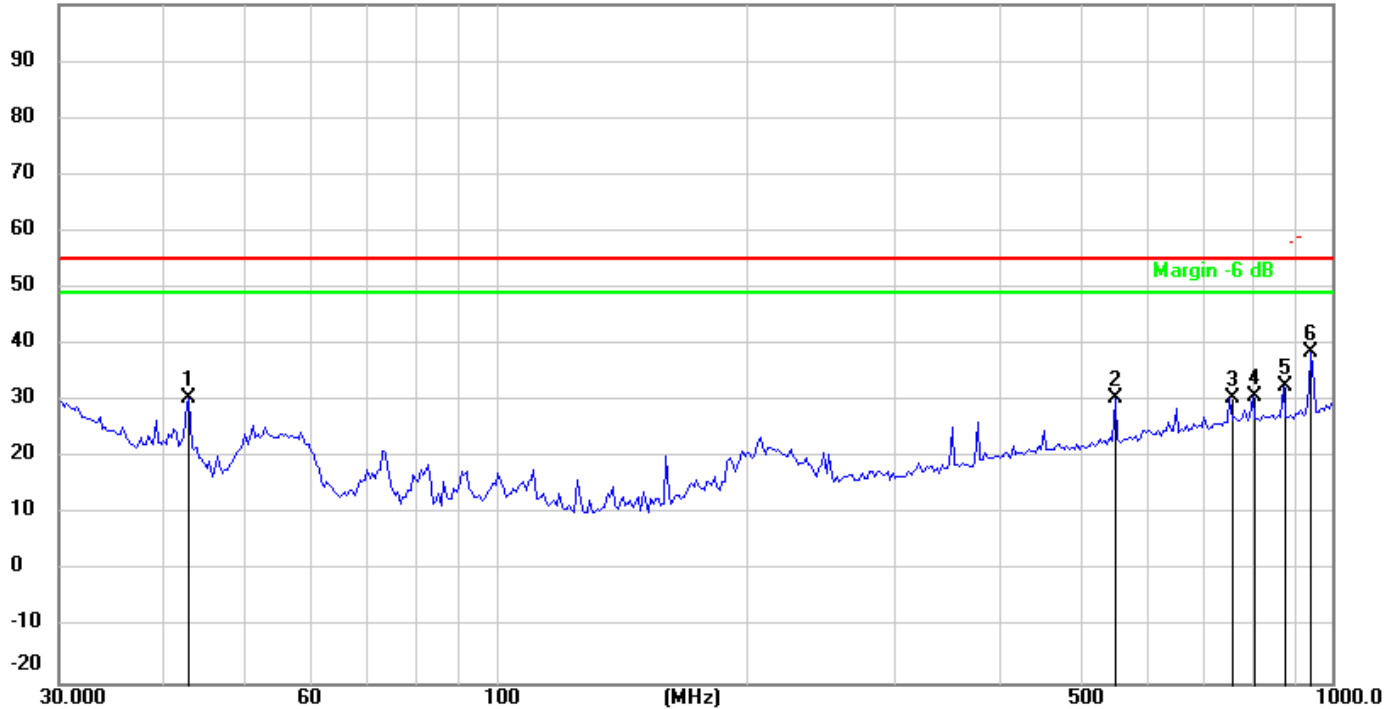
Report No.: AAEMT/RF/250311-01

Channel Bandwidth: 100MHz

3649.485MHz

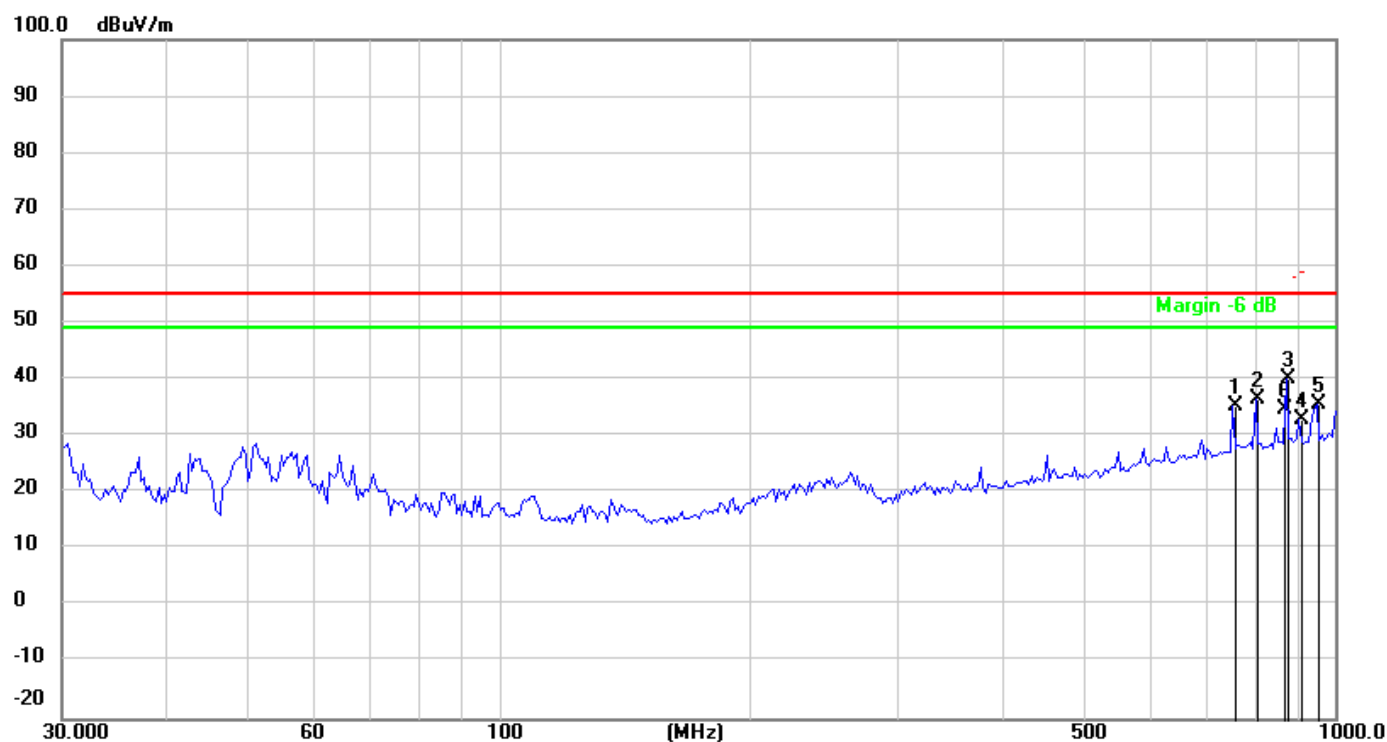
Vertical

100.0 dBuV/m



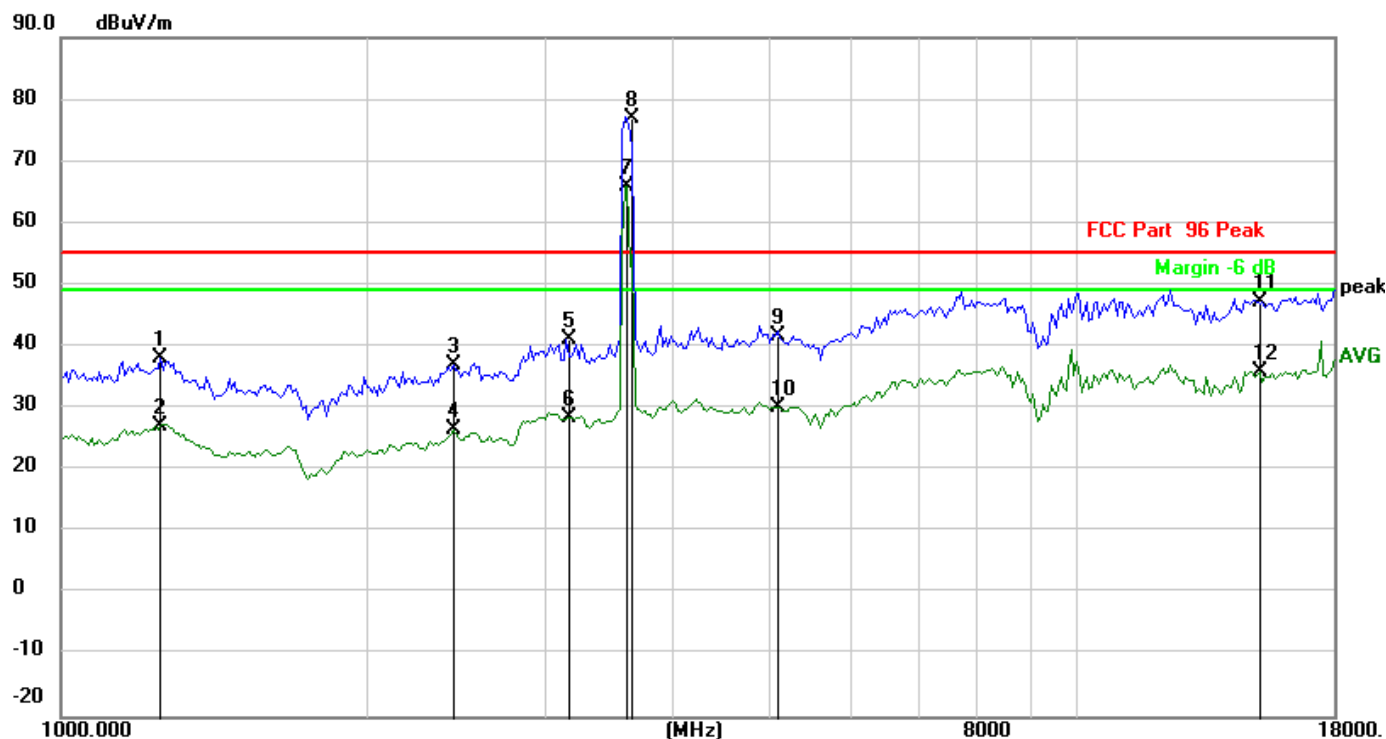
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	42.9305	-17.57	48.14	30.57	55.25	-24.68	peak
2	550.2902	-4.79	35.32	30.53	55.25	-24.72	peak
3	754.9628	-1.59	32.19	30.60	55.25	-24.65	peak
4	804.2523	-0.97	31.90	30.93	55.25	-24.32	peak
5	875.0133	-0.08	32.59	32.51	55.25	-22.74	peak
6	945.3336	0.78	37.87	38.65	55.25	-16.60	peak

Horizontal



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	754.9628	0.41	34.98	35.39	55.25	-19.86	peak
2	804.2523	1.03	35.40	36.43	55.25	-18.82	peak
3	875.0133	1.92	38.09	40.01	55.25	-15.24	peak
4	906.3041	2.36	30.46	32.82	55.25	-22.43	peak
5	952.0001	2.85	32.72	35.57	55.25	-19.68	peak
6	1000.0000	3.32	31.57	34.89	55.25	-20.36	peak

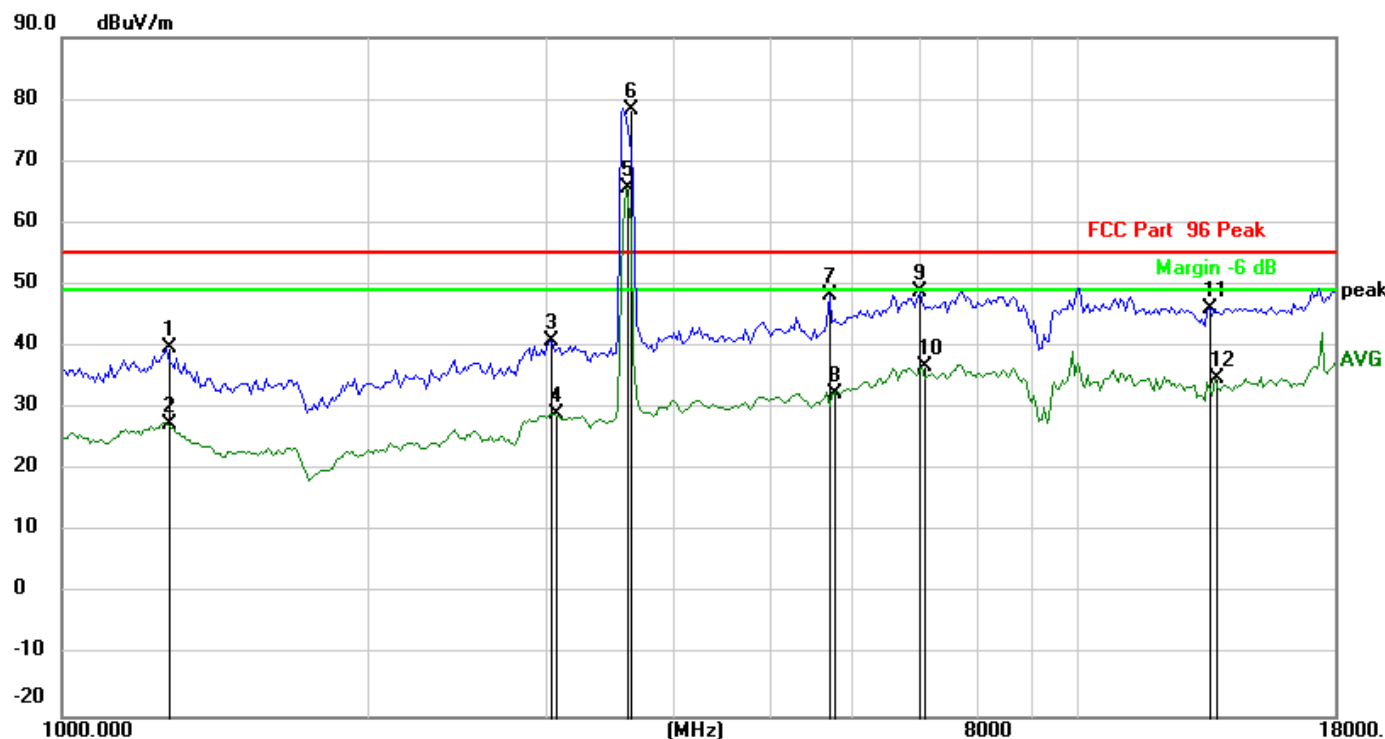
Vertical



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1253.451	-36.03	74.30	38.27	55.25	-16.98	peak
2	1253.451	-36.03	63.17	27.14	55.25	-28.11	AVG
3	2440.050	-37.30	74.44	37.14	55.25	-18.11	peak
4	2440.050	-37.30	63.86	26.56	55.25	-28.69	AVG
5	3148.358	-35.73	76.87	41.14	55.25	-14.11	peak
6	3166.647	-35.78	64.20	28.42	55.25	-26.83	AVG
7	3617.911	-34.17	100.05	65.88	55.25	10.63	AVG
8	3649.755	-34.27	111.30	77.03	55.25	21.78	peak
9	5062.457	-34.06	75.87	41.81	55.25	-13.44	peak
10	5091.865	-34.11	64.43	30.32	55.25	-24.93	AVG
11	15128.826	-28.38	75.52	47.14	55.25	-8.11	peak
12	15216.711	-28.24	64.33	36.09	55.25	-19.16	AVG

Note:- Marker 7 & 8 is desired intentional frequency, Hence considered as PASS.

Horizontal

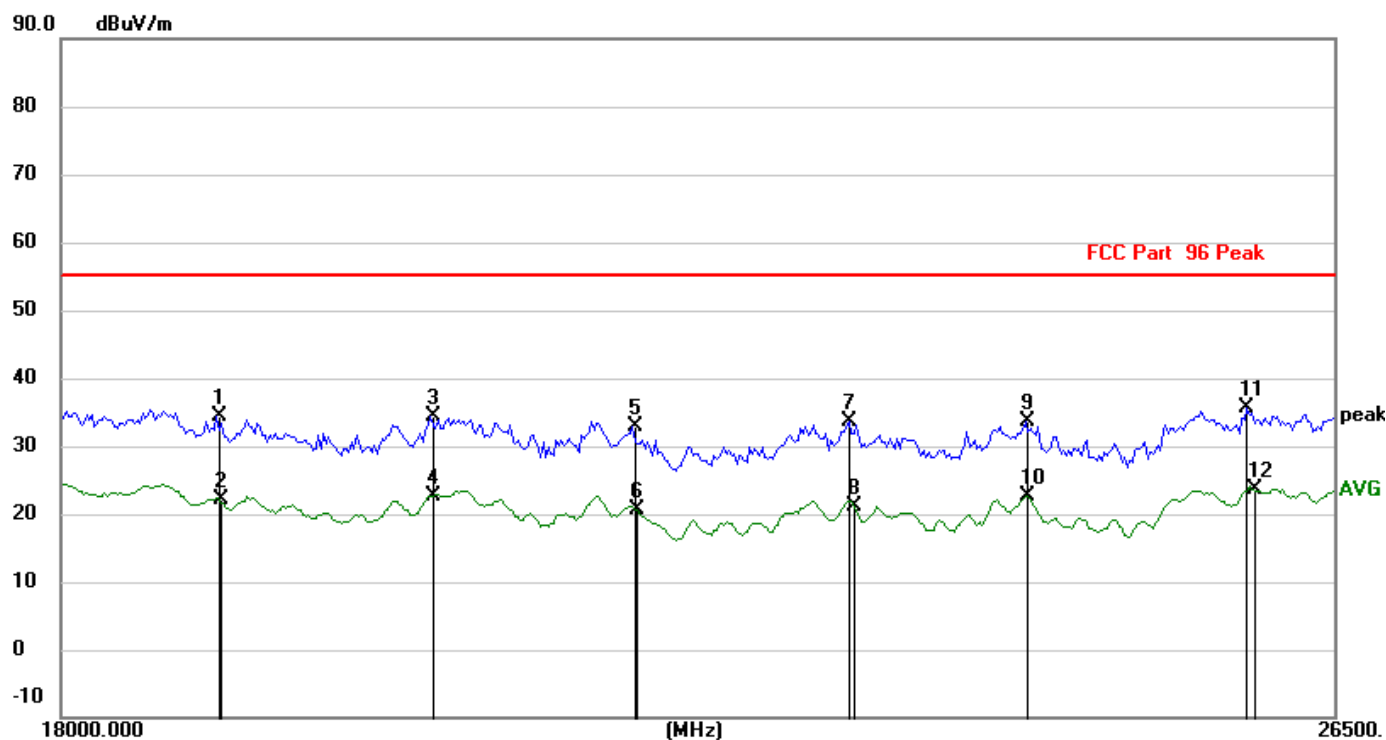


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1268.057	-10.15	49.94	39.79	55.25	-15.46	peak
2	1268.057	-10.15	37.69	27.54	55.25	-27.71	AVG
3	3023.257	-6.16	46.98	40.82	55.25	-14.43	peak
4	3058.484	-6.20	35.31	29.11	55.25	-26.14	AVG
5	3597.016	-4.03	69.66	65.63	55.25	10.38	AVG
6	3625.000	-4.05	82.46	78.41	55.25	23.16	peak
7	5717.266	-0.63	48.84	48.21	55.25	-7.04	peak
8	5750.479	-0.61	33.05	32.44	55.25	-22.81	AVG
9	7002.185	4.13	44.77	48.90	55.25	-6.35	peak
10	7042.862	4.08	32.72	36.80	55.25	-18.45	AVG
11	13552.183	10.82	35.42	46.24	55.25	-9.01	peak
12	13710.094	11.59	23.36	34.95	55.25	-20.30	AVG

Note:- Marker 5 & 6 is desired intentional frequency, Hence considered as PASS.

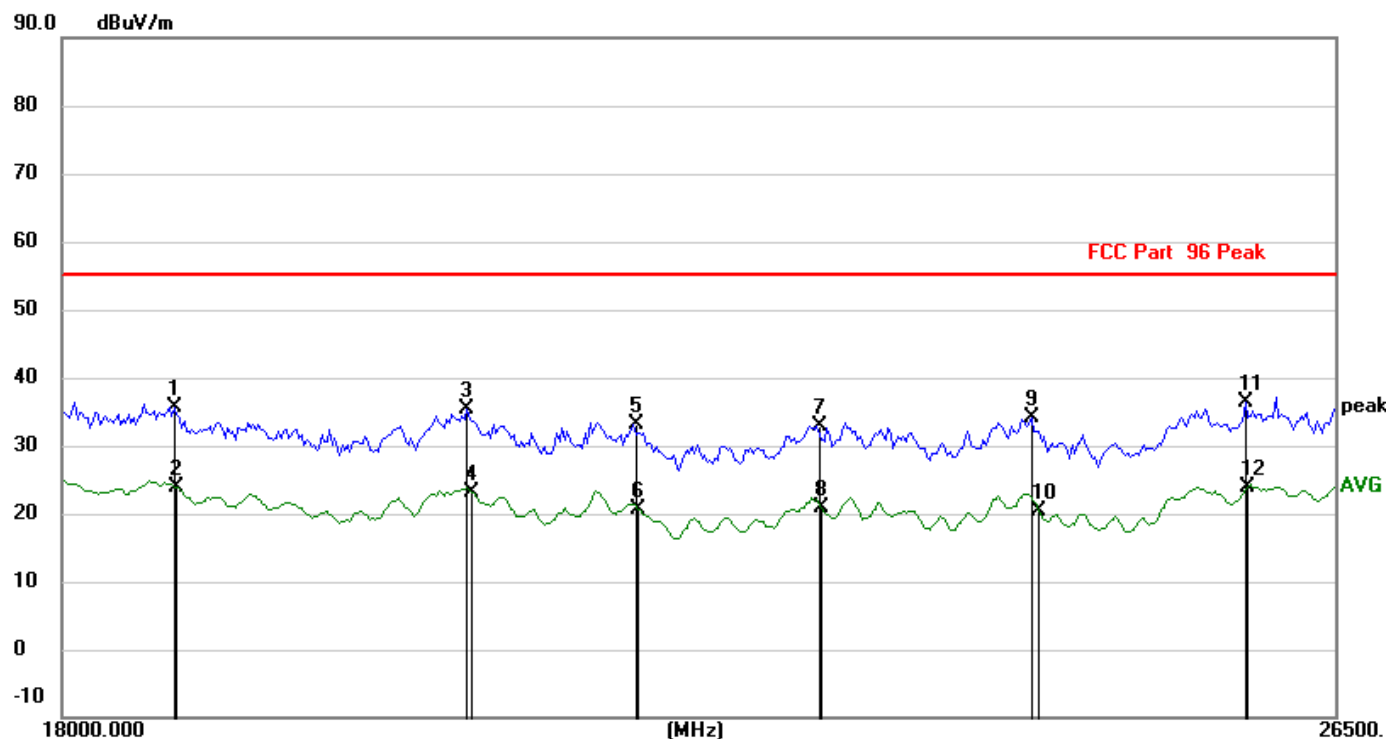
Report No.: AAEMT/RF/250311-01

Vertical



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18871.496	-7.07	41.36	34.29	55.25	-20.96	peak
2	18886.129	-7.07	29.09	22.02	55.25	-33.23	AVG
3	20141.064	-6.71	41.12	34.41	55.25	-20.84	peak
4	20141.064	-6.71	29.40	22.69	55.25	-32.56	AVG
5	21412.895	-6.39	39.30	32.91	55.25	-22.34	peak
6	21446.114	-6.38	27.10	20.72	55.25	-34.53	AVG
7	22871.154	-6.08	39.59	33.51	55.25	-21.74	peak
8	22906.636	-6.08	27.11	21.03	55.25	-34.22	AVG
9	24127.641	-5.85	39.59	33.74	55.25	-21.51	peak
10	24146.349	-5.85	28.42	22.57	55.25	-32.68	AVG
11	25810.760	-5.60	41.12	35.52	55.25	-19.73	peak
12	25850.803	-5.59	29.24	23.65	55.25	-31.60	AVG

Horizontal

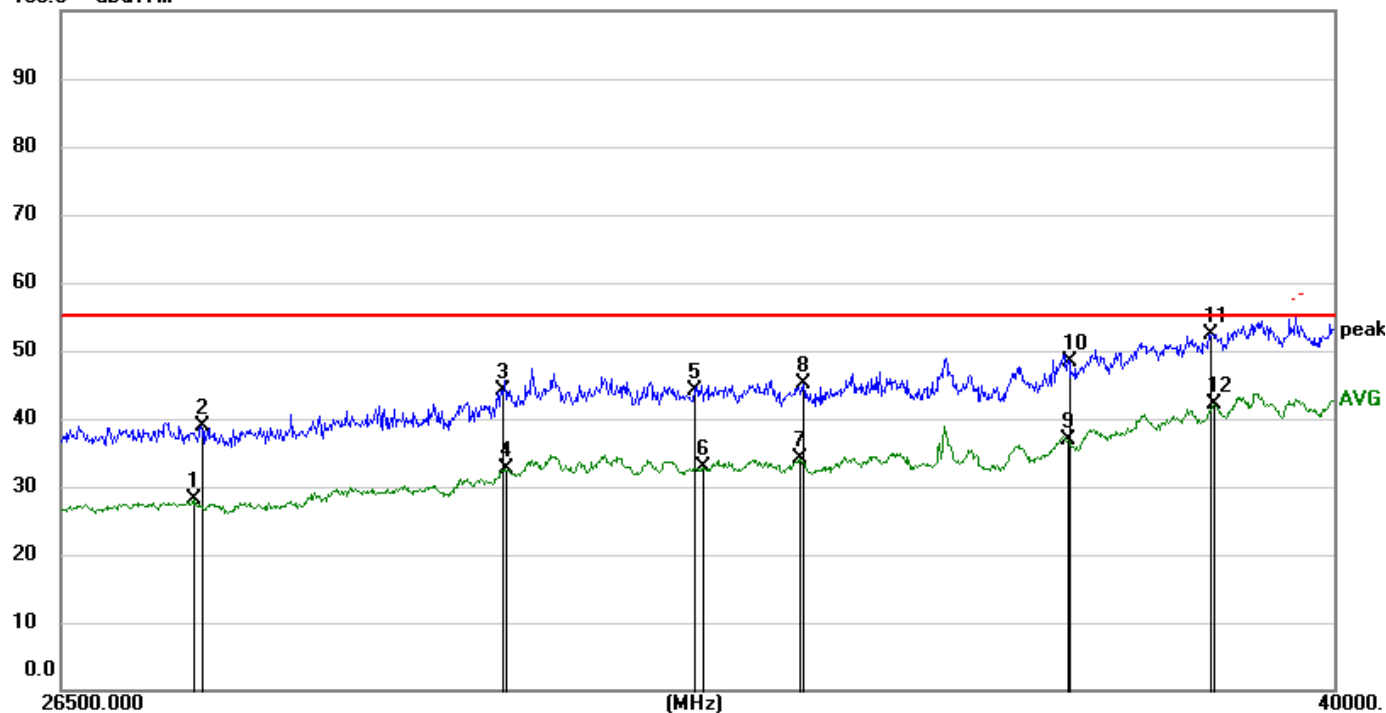


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18624.464	-7.13	42.76	35.63	55.25	-19.62	peak
2	18638.905	-7.14	31.09	23.95	55.25	-31.30	AVG
3	20360.811	-6.65	42.04	35.39	55.25	-19.86	peak
4	20392.399	-6.64	29.70	23.06	55.25	-32.19	AVG
5	21412.895	-6.39	39.44	33.05	55.25	-22.20	peak
6	21446.114	-6.38	27.10	20.72	55.25	-34.53	AVG
7	22641.856	-6.12	39.04	32.92	55.25	-22.33	peak
8	22676.982	-6.11	26.90	20.79	55.25	-34.46	AVG
9	24165.072	-5.84	39.91	34.07	55.25	-21.18	peak
10	24221.328	-5.83	26.25	20.42	55.25	-34.83	AVG
11	25790.762	-5.60	42.07	36.47	55.25	-18.78	peak
12	25810.760	-5.60	29.55	23.95	55.25	-31.30	AVG

Report No.: AAEMT/RF/250311-01

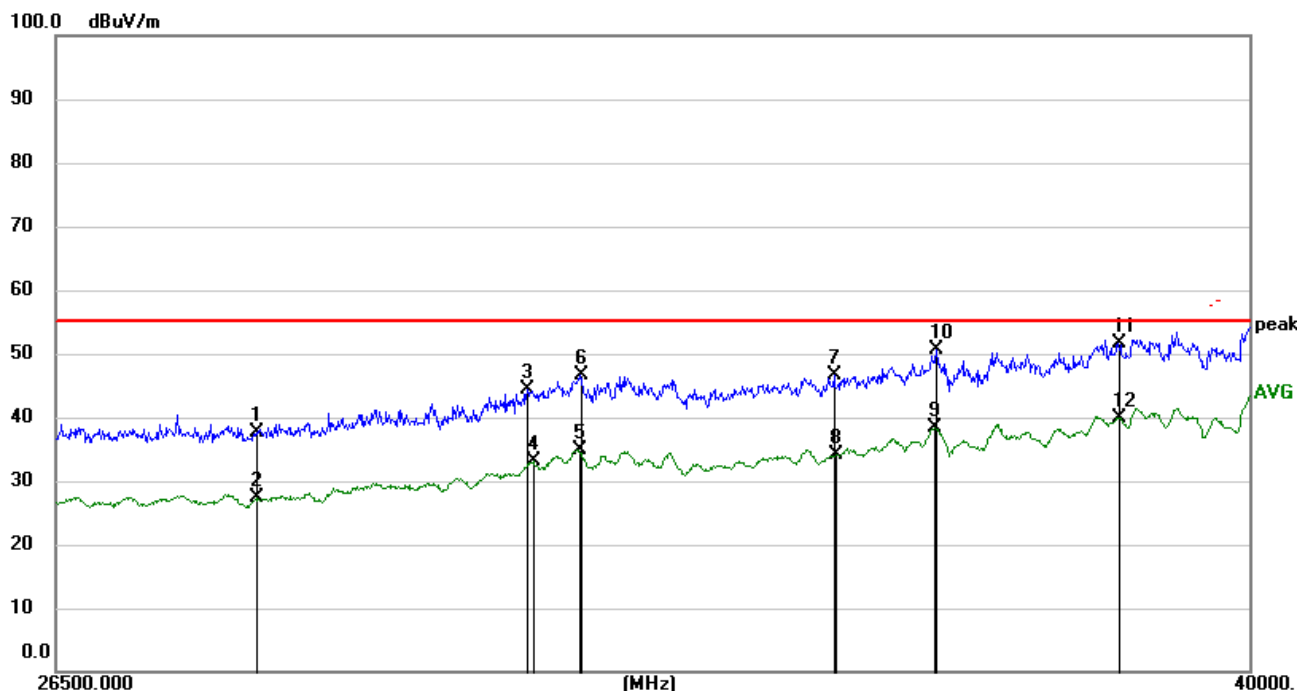
Vertical

100.0 dBuV/m



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27659.386	0.63	27.44	28.07	55.25	-27.18	AVG
2	27727.801	0.65	38.17	38.82	55.25	-16.43	peak
3	30557.341	1.38	42.84	44.22	55.25	-11.03	peak
4	30595.109	1.39	31.17	32.56	55.25	-22.69	AVG
5	32530.842	1.73	42.31	44.04	55.25	-11.21	peak
6	32611.306	1.75	31.14	32.89	55.25	-22.36	AVG
7	33647.908	1.91	32.22	34.13	55.25	-21.12	AVG
8	33689.495	1.92	43.23	45.15	55.25	-10.10	peak
9	36701.840	2.42	34.37	36.79	55.25	-18.46	AVG
10	36716.955	2.42	45.97	48.39	55.25	-6.86	peak
11	38418.129	2.70	49.60	52.30	55.25	-2.95	peak
12	38481.453	2.72	39.41	42.13	55.25	-13.12	AVG

Horizontal



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	28397.927	0.83	36.91	37.74	55.25	-17.51	peak
2	28409.622	0.84	26.53	27.37	55.25	-27.88	AVG
3	31180.096	1.49	42.84	44.33	55.25	-10.92	peak
4	31244.352	1.50	31.54	33.04	55.25	-22.21	AVG
5	31737.043	1.59	33.32	34.91	55.25	-20.34	AVG
6	31750.113	1.60	45.11	46.71	55.25	-8.54	peak
7	34660.329	2.06	44.59	46.65	55.25	-8.60	peak
8	34688.882	2.06	32.13	34.19	55.25	-21.06	AVG
9	35894.828	2.27	36.23	38.50	55.25	-16.75	AVG
10	35909.610	2.28	48.32	50.60	55.25	-4.65	peak
11	38228.780	2.68	48.89	51.57	55.25	-3.68	peak
12	38244.523	2.68	37.26	39.94	55.25	-15.31	AVG

Note:- Testing is carried out in all possible configuration , only worst case data reported. This unit meets the FCC requirement.



****End of Report****