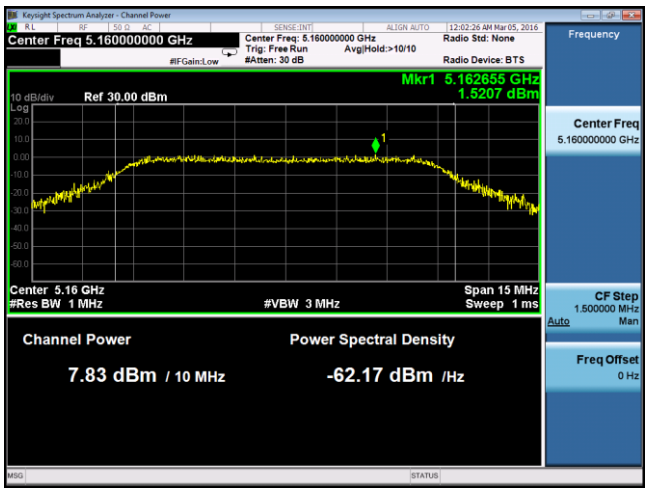
PSD measurement results :

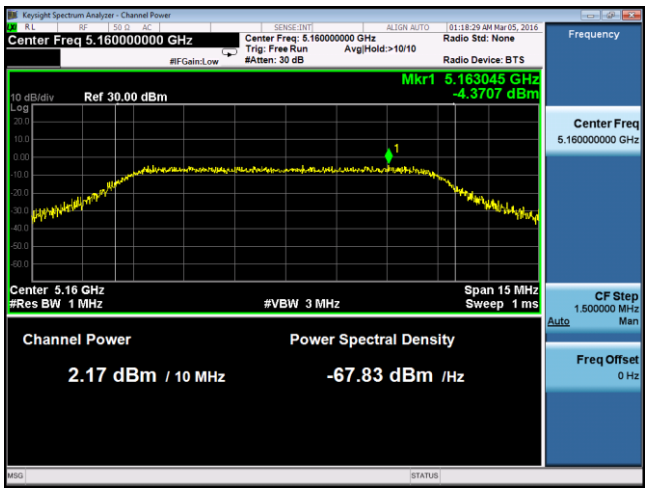
Band 1							
Test mode	Freq(MHz)	CH	Conducted PSD (dBm/MHz)			Limit (dBm/MHz)	Result
			Chain 1	Chain 2	Combine		
10MHz Bandwidth	5160	Low	1.52	-4.37	2.50	17	Pass
	5200	Mid	13.60	13.16	16.39	17	Pass
	5240	High	2.52	-1.52	3.96	17	Pass
20MHz Bandwidth	5170	Low	-3.46	-8.43	-2.29	17	Pass
	5210	Mid	10.85	9.61	13.28	17	Pass
	5230	High	-1.75	-6.84	-0.61	17	Pass
40MHz Bandwidth	5190	Low	-1.80	-1.40	1.40	17	Pass
	5230	High	-0.38	-1.10	2.28	17	Pass

Band 4									
Test mode	Freq (MHz)	CH	Conducted PSD (dBm/100kHz)			Correction factor dB)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
			Port A	Port B	Combined				
10MHz Bandwidth	5735	Low	-5.16	-5.24	-2.21	6.99	4.78	30	Pass
	5775	Mid	5.49	6.02	8.77	6.99	15.76	30	Pass
	5825	High	-4.19	-5.34	-1.73	6.99	5.26	30	Pass
20MHz Bandwidth	5745	Low	-6.25	-5.43	-2.84	6.99	4.15	30	Pass
	5775	Mid	5.71	5.69	8.71	6.99	15.70	30	Pass
	5825	High	-6.29	-6.81	-3.56	6.99	3.43	30	Pass
40MHz Bandwidth	5745	Low	-8.64	-8.40	-5.52	6.99	1.47	30	Pass
	5785	Mid	2.72	2.86	5.80	6.99	12.79	30	Pass
	5825	High	-6.21	-8.74	-4.31	6.99	2.68	30	Pass
Note	BW correction factor = 10log(500kHz/RBW)								

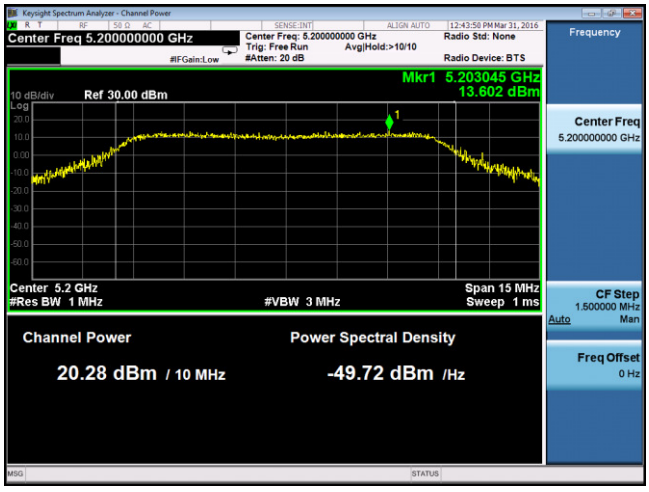
Test Plots – Band 1



PSD – 10M 5160MHz Port A

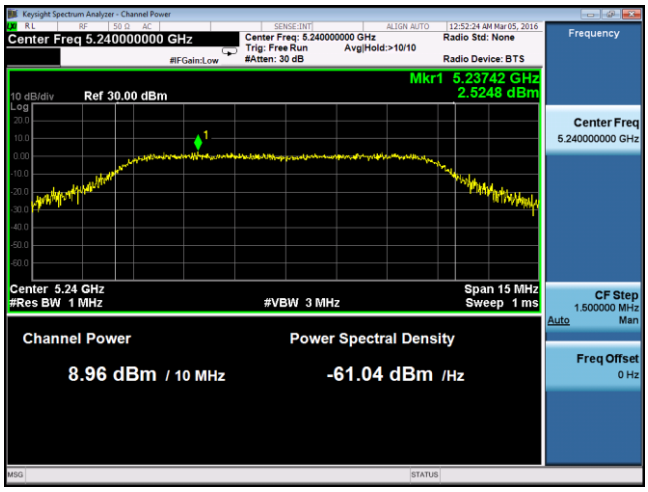


PSD – 10M 5170MHz Port B

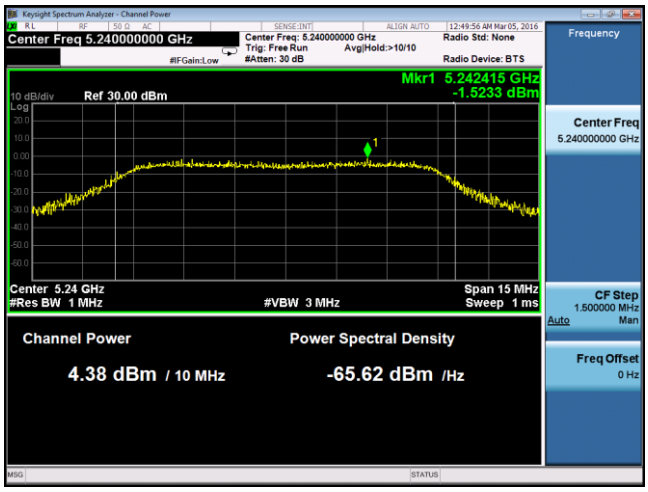


PSD – 10M 5200MHz Port A

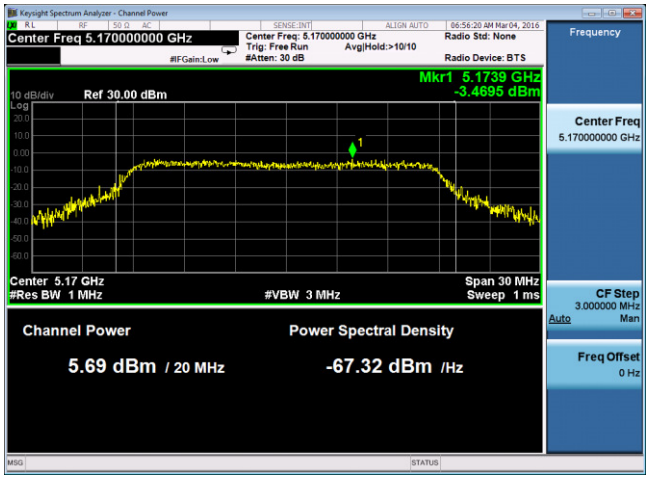
PSD – 10M 5200MHz Port B



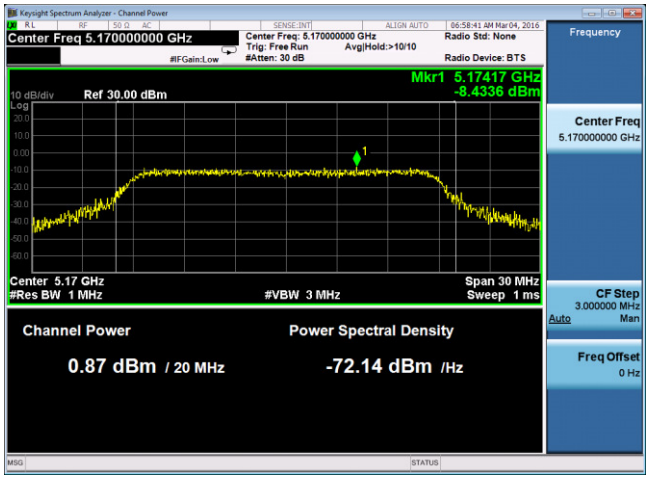
PSD – 10M 5240MHz Port A



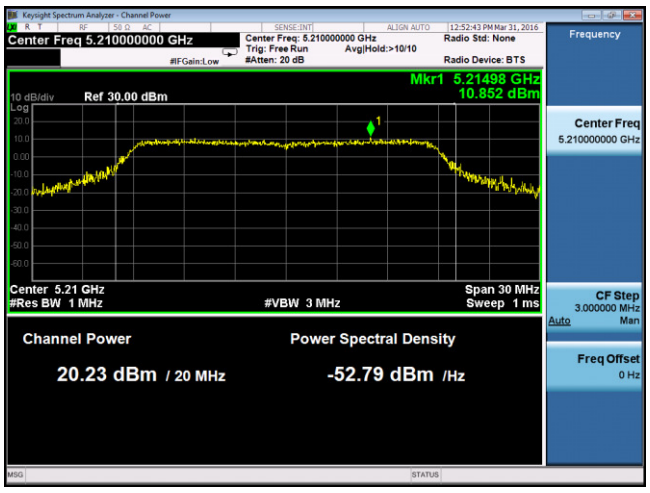
PSD – 10M 5240MHz Port B



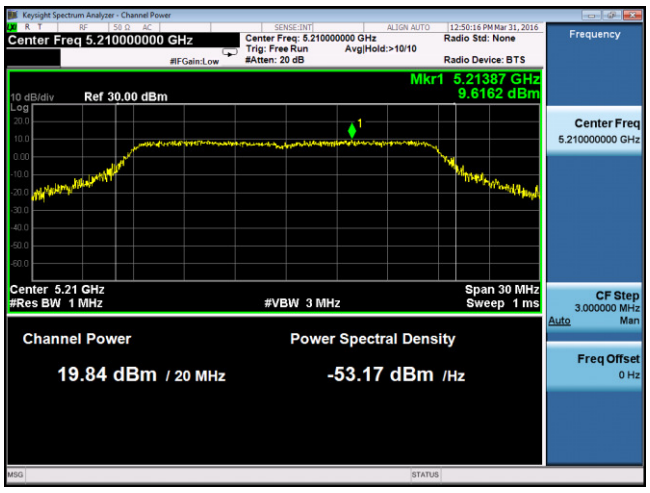
PSD – 20M 5170MHz Port A



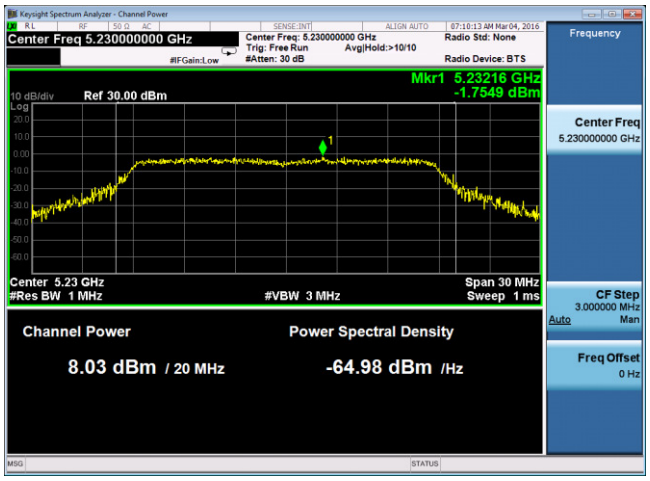
PSD – 20M 5170MHz Port B



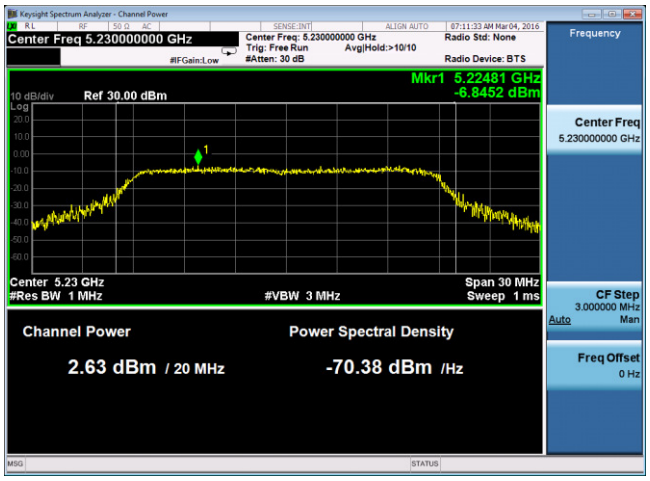
PSD – 20M 5210MHz Port A



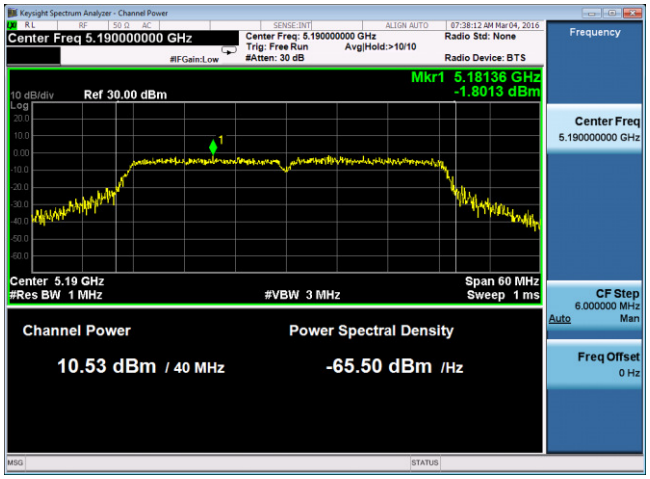
PSD – 20M 5210MHz Port B



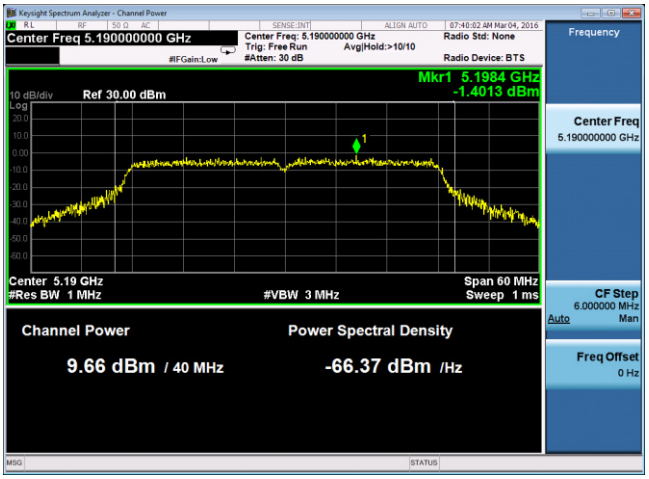
PSD – 20M 5230MHz Port A



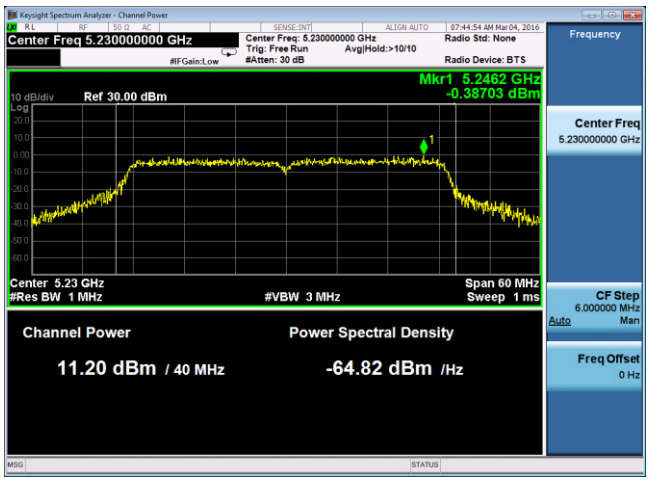
PSD – 20M 5230MHz Port B



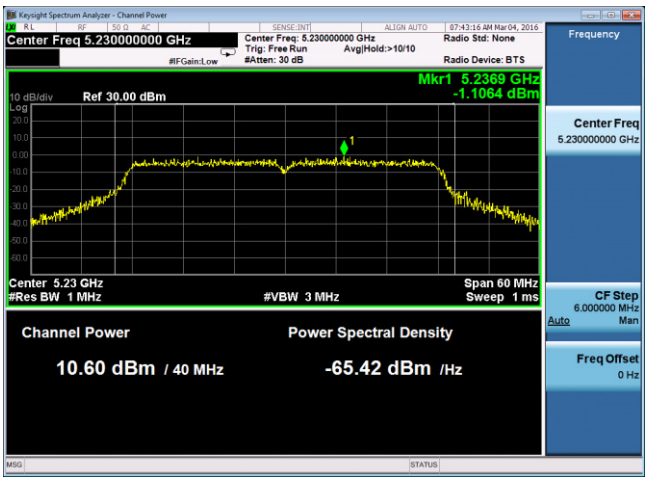
PSD – 40M 5190MHz Port A



PSD – 40M 5190MHz Port B

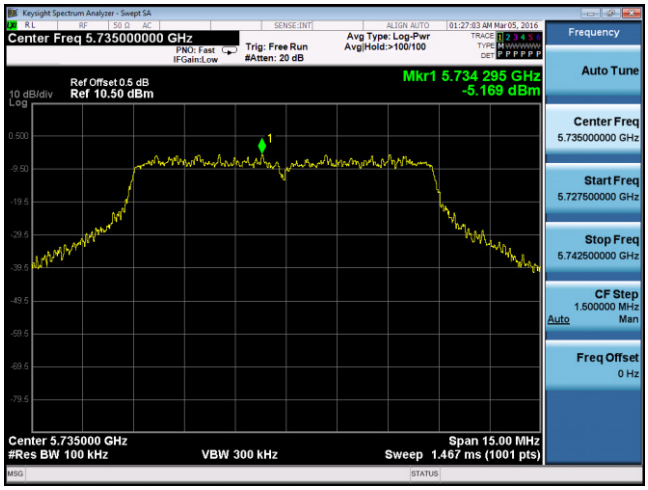


PSD – 40M 5230MHz Port A

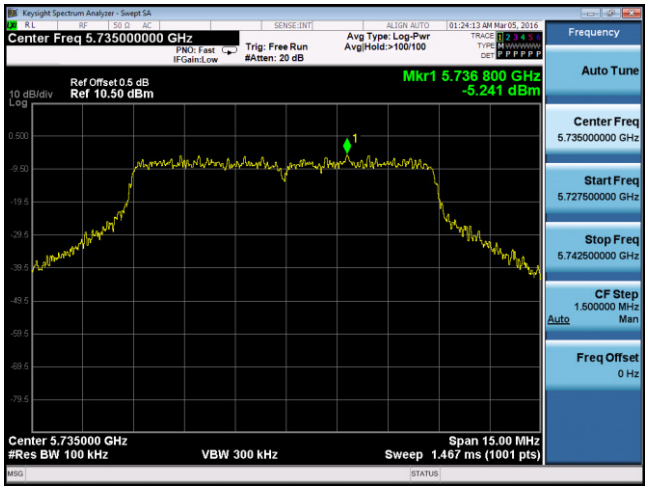


PSD – 40M 5230MHz Port B

Test Plots – Band 4

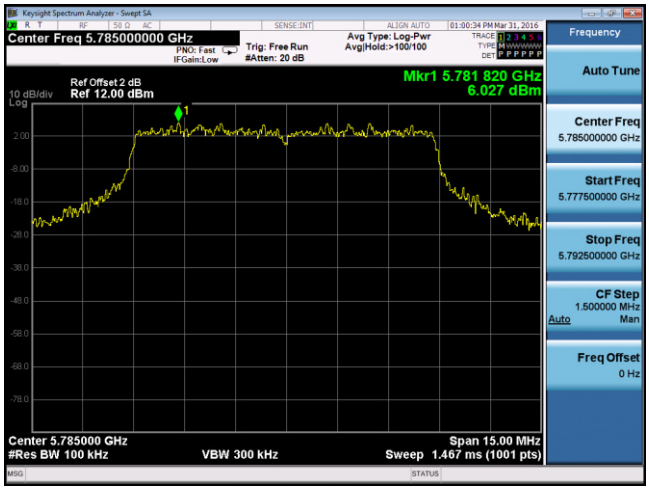


PSD – 10M 5735MHz Port A



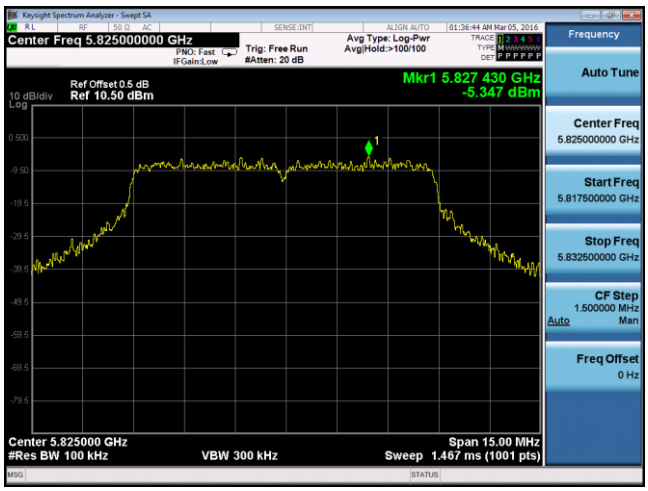
PSD – 10M 5735MHz Port B

PSD – 10M 5775MHz Port A

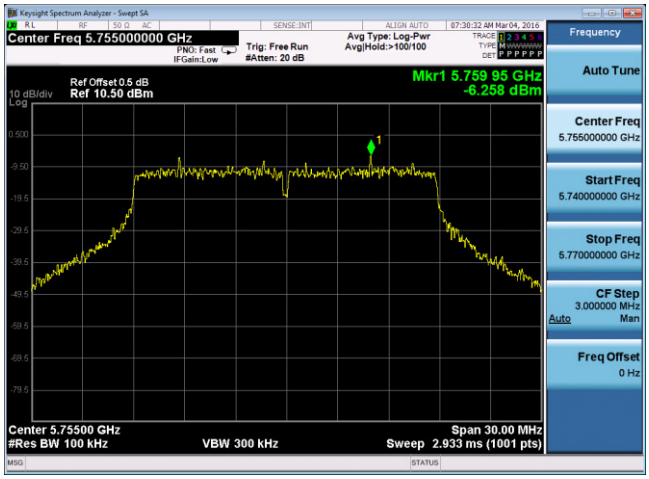


PSD – 10M 5775MHz Port B

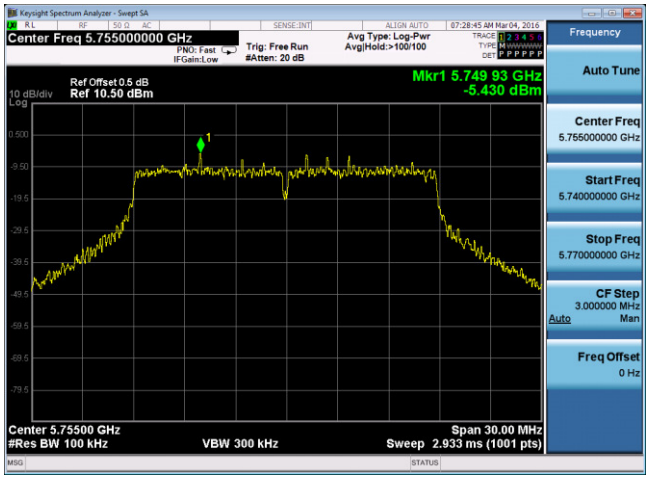
PSD – 10M 5825MHz Port A



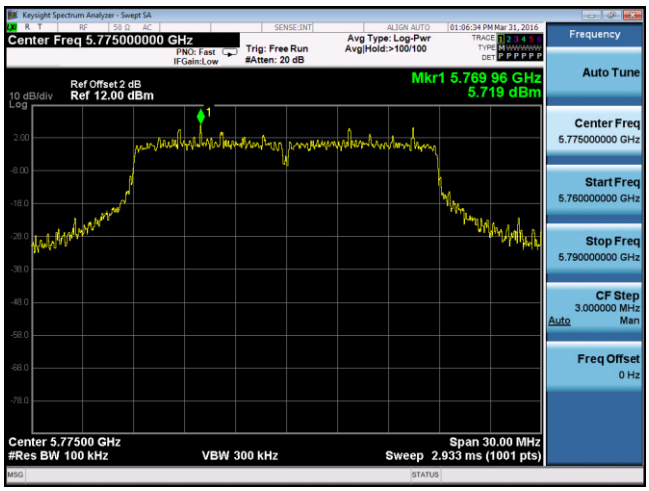
PSD – 10M 5825MHz Port B



PSD – 20M 5755MHz Port A

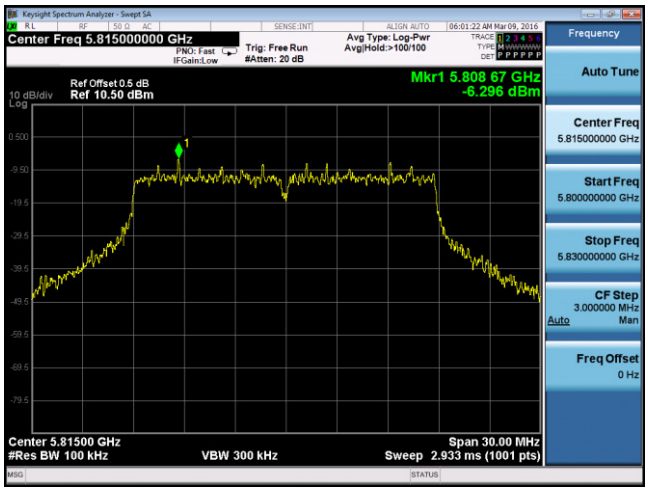


PSD – 20M 5755MHz Port B



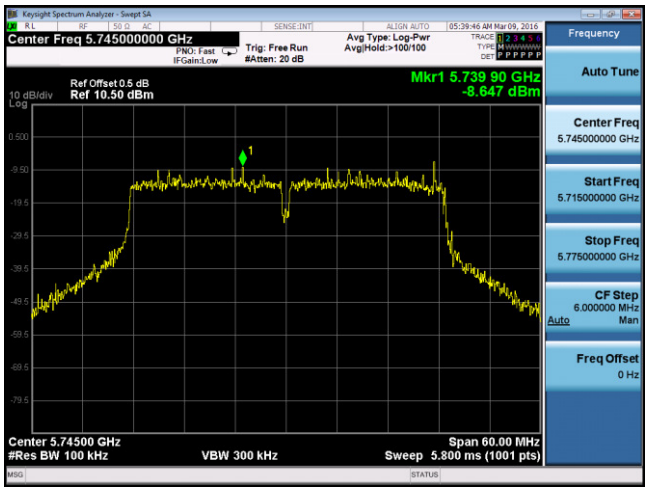
PSD – 20M 5775MHz Port A

PSD – 20M 5775MHz Port B



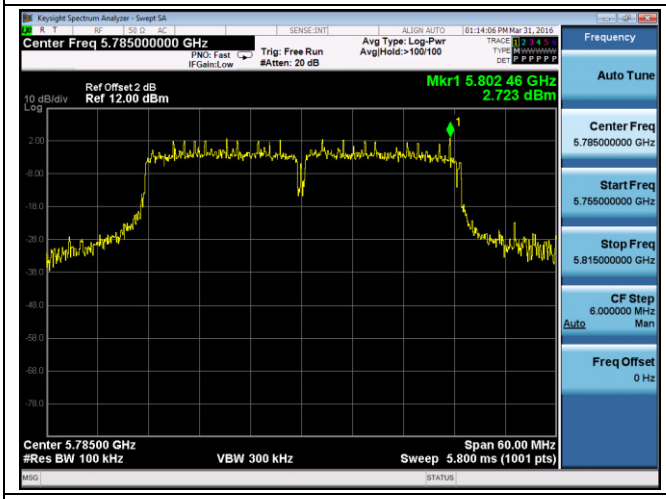
PSD – 20M 5815MHz Port A

PSD – 20M 5815MHz Port B

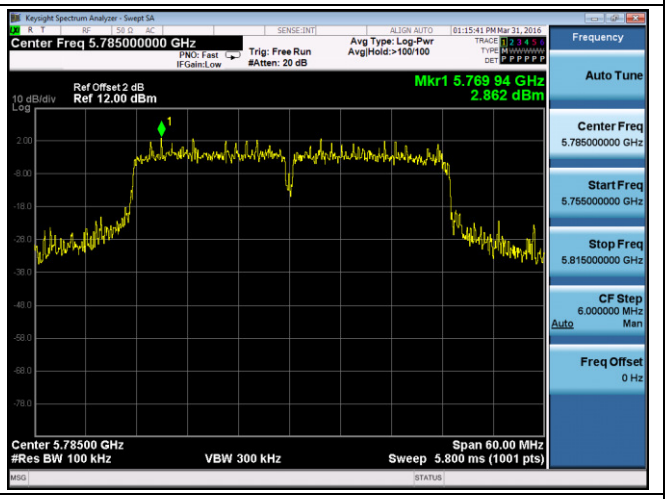


PSD – 40M 5745MHz Port A

PSD – 40M 5745MHz Port B

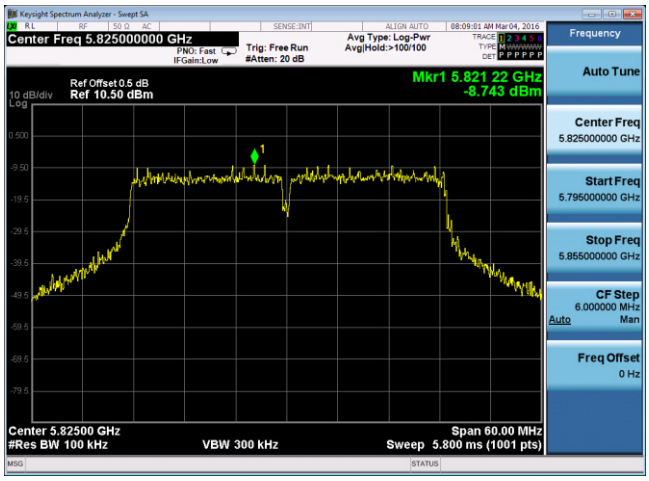


PSD – 40M 5785MHz Port A



PSD – 40M 5785MHz Port B

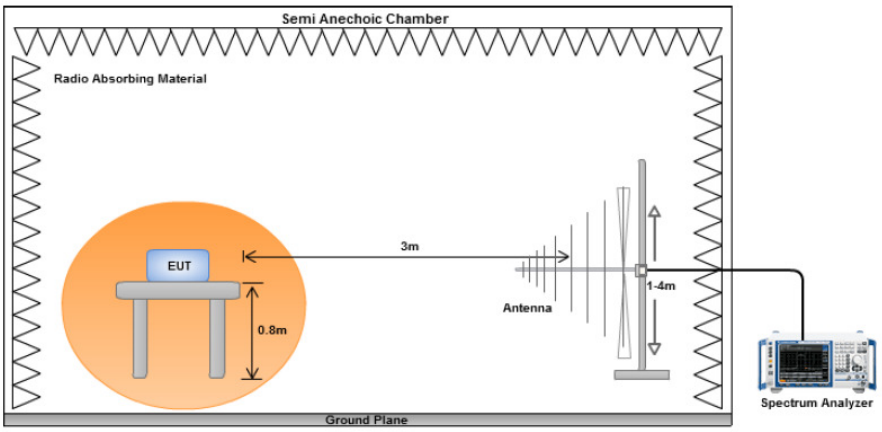
PSD – 40M 5825MHz Port A



PSD – 40M 5825MHz Port B

10.5 Radiated Emissions below 1GHz

Requirement(s):

<table>
<tr><th>Spec</th><th>Requirement</th><th>Applicable</th></tr>
<tr><td>47CFR§
15.407(b)
15.209 (a)</td><td>Except higher limit as specified elsewhere in other section, the emissions from the low-power radio-frequency devices shall not exceed the field strength levels specified in the following table and the level of any unwanted emissions shall not exceed the level of the fundamental emission. The tighter limit applies at the band edges
<table>
<tr><th>Frequency range (MHz)</th><th>Field Strength (uV/m)</th></tr>
<tr><td>30 – 88</td><td>100</td></tr>
<tr><td>88 – 216</td><td>150</td></tr>
<tr><td>216 960</td><td>200</td></tr>
<tr><td>Above 960</td><td>500</td></tr>
</table></td><td>☒</td></tr>
<tr><td>Test Setup</td><td> 
</td><td></td></tr>
<tr><td>Procedure</td><td>1. The EUT was switched on and allowed to warm up to its normal operating condition.
2. The test was carried out at the selected frequency points obtained from the EUT characterisation. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner:
a. Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen.
b. The EUT was then rotated to the direction that gave the maximum emission.
c. Finally, the antenna height was adjusted to the height that gave the maximum emission.
3. A Quasi-peak measurement was then made for that frequency point.
4. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.</td><td></td></tr>
<tr><td>Remark</td><td>Both horizontal and vertical polarities were investigated. The results show only the worst case.</td><td></td></tr>
<tr><td>Result</td><td>☒ Pass ☐ Fail</td><td></td></tr>
</table>

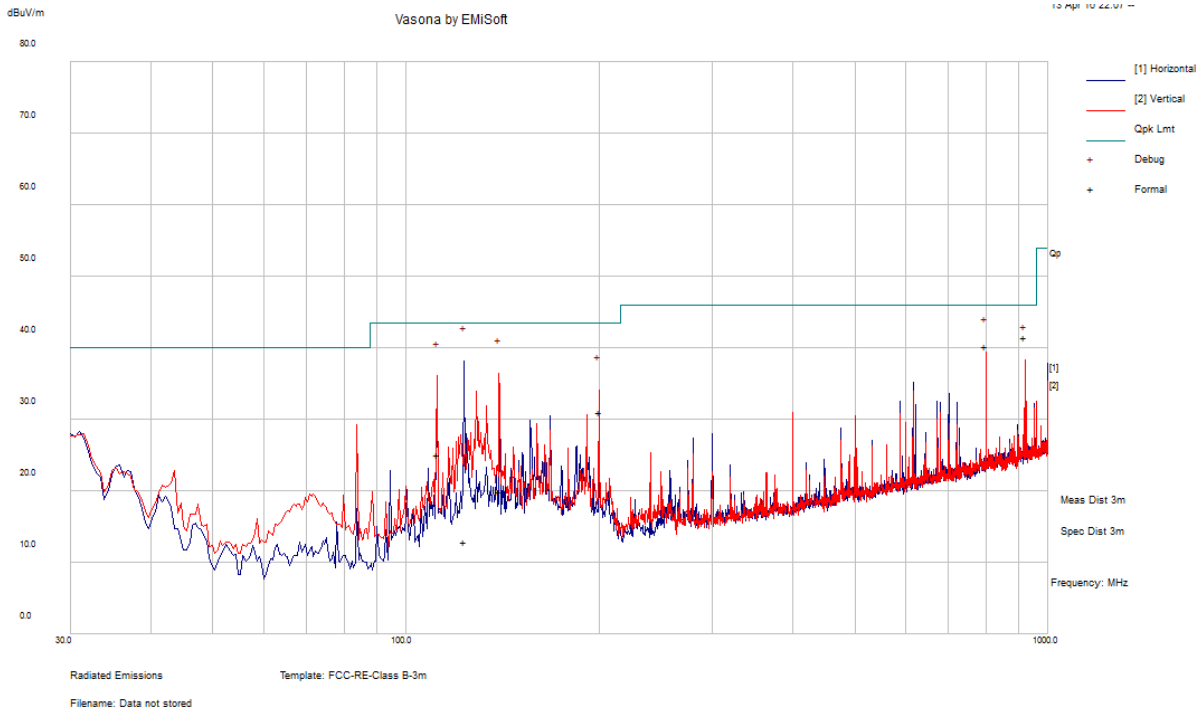
Test Data ☒ Yes (See below) ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

Test was done by Gary Chou at 10 meter Chamber.

Radiated Emission Test Results (Below 1GHz)

Test specification	Above 1GHz			
Environmental Conditions:	Temp (°C):	23	Result	Pass
	Humidity (%)	36		
	Atmospheric (mPa):	1017		
Mains Power:	110VAC, 60Hz			
Tested by:	Gary Chou			
Test Date:	04/13/2016			
Remarks:	20M 5200MHz			

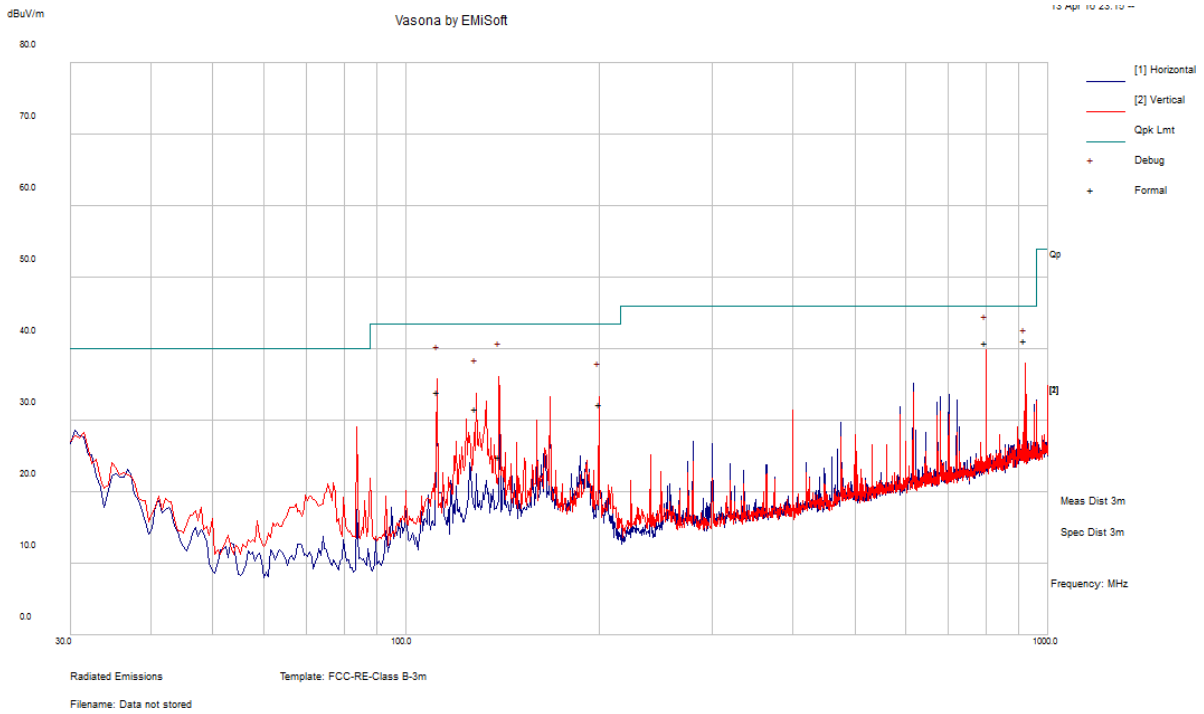


Quasi Max Measurement

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
123.14	36.74	1.65	-25.53	12.86	Quasi Max	H	248	134	43.52	-30.66	Pass
800.01	53.15	4.51	-17.4	40.25	Quasi Max	V	109	345	46.02	-5.77	Pass
139.83	44.19	1.76	-26.01	19.94	Quasi Max	V	140	310	43.52	-23.58	Pass
111.96	49.97	1.57	-26.44	25.1	Quasi Max	V	260	13	43.52	-18.42	Pass
919.99	52.59	4.85	-16.01	41.43	Quasi Max	V	146	357	46.02	-4.59	Pass
200.00	55.07	2.13	-26.2	31	Quasi Max	V	258	301	43.52	-12.52	Pass

Note: Both horizontal and vertical polarities were investigated. The results above show only the worst case.

Test specification	Above 1GHz			
Environmental Conditions:	Temp (°C):	23	Result	Pass
	Humidity (%)	36		
	Atmospheric (mPa):	1017		
Mains Power:	120VAC, 60Hz			
Tested by:	Gary Chou			
Test Date:	04/13/2016			
Remarks:	20M 5775MHz			



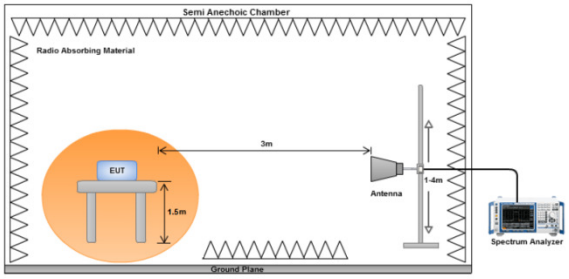
Quasi Max Measurement

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
799.98	53.71	4.51	-17.41	40.81	Quasi Max	V	108	16	46.02	-5.21	Pass
139.85	49.1	1.75	-26.01	24.84	Quasi Max	V	101	52	43.52	-18.68	Pass
111.97	58.83	1.57	-26.44	33.96	Quasi Max	V	101	172	43.52	-9.56	Pass
919.98	52.29	4.85	-16.01	41.13	Quasi Max	V	144	357	46.02	-4.89	Pass
128.55	55.34	1.7	-25.48	31.57	Quasi Max	V	107	150	43.52	-11.95	Pass
199.99	56.34	2.13	-26.2	32.27	Quasi Max	H	110	82	43.52	-11.25	Pass

Note: Both horizontal and vertical polarities were investigated. The results above show only the worst case.

10.6 Radiated Spurious Emissions above 1GHz

Requirement(s):

Spec	Item	Requirement	Applicable
47CFR§ 15.407(b)(2), 15.407(b)(6)	(1)	For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.	☒
	(2)	For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.	☐
	(3)	For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of −27 dBm/MHz.	☐
	(4)	For transmitters operating in the 5.725-5.825 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27 dBm/MHz.	☒
	(5)	Restricted band, emission must also comply with the radiated emission limits specified in 15.209	☒
Test Setup			
Procedure	1. The EUT was switched on and allowed to warm up to its normal operating condition. 2. The test was carried out at the selected frequency points obtained from the EUT characterisation. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner: a. Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen. b. The EUT was then rotated to the direction that gave the maximum emission. c. Finally, the antenna height was adjusted to the height that gave the maximum emission. 3. An average measurement was then made for that frequency point. 4. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.		
Remark	The EUT was scanned up to 40GHz. Both horizontal and vertical polarities were investigated. The results show only the worst case.		
Result	☒ Pass ☐ Fail		

Test Data ☒Yes (See below) ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

Test was done by Teody Manansala at 3 meter Chamber.

Radiated Emission Test Results (Above 1GHz)

10M -5160MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4083.84	37.93	8.71	11.86	58.50	Peak Max	V	172.00	39.00	74.00	-15.50	Pass
6312.20	35.88	10.87	10.32	57.07	Peak Max	H	195.00	0.00	74.00	-16.93	Pass
17510.04	34.66	16.77	10.41	61.84	Peak Max	H	230.00	17.00	74.00	-12.16	Pass
4083.84	25.99	8.71	11.86	46.56	Average Max	V	172.00	39.00	54.00	-7.44	Pass
6312.20	24.52	10.87	10.32	45.71	Average Max	H	195.00	0.00	54.00	-8.29	Pass
17510.04	22.70	16.77	10.41	49.88	Average Max	H	230.00	17.00	54.00	-4.12	Pass

10M -5200MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4081.05	38.41	8.71	11.87	58.99	Peak Max	H	176.00	250.00	74.00	-15.02	Pass
17733.44	33.95	16.39	10.64	60.97	Peak Max	H	229.00	362.00	74.00	-13.03	Pass
6078.60	36.05	10.58	10.88	57.51	Peak Max	V	180.00	213.00	74.00	-16.49	Pass
4081.05	25.56	8.71	11.87	46.14	Average Max	H	176.00	250.00	54.00	-7.86	Pass
17733.44	22.60	16.39	10.64	49.62	Average Max	H	229.00	362.00	54.00	-4.38	Pass
6078.60	24.59	10.58	10.88	46.05	Average Max	V	180.00	213.00	54.00	-7.95	Pass

10M -5200MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4240.28	37.31	9.10	11.19	57.60	Peak Max	H	209.00	328.00	74.00	-16.40	Pass
6280.72	34.71	10.83	10.40	55.93	Peak Max	H	206.00	91.00	74.00	-18.07	Pass
17797.56	35.34	16.28	10.70	62.32	Peak Max	H	212.00	297.00	74.00	-11.68	Pass
4240.28	25.61	9.10	11.19	45.90	Average Max	H	209.00	328.00	54.00	-8.10	Pass
6280.72	22.71	10.83	10.40	43.93	Average Max	H	206.00	91.00	54.00	-10.07	Pass
17797.56	22.66	16.28	10.70	49.64	Average Max	H	212.00	297.00	54.00	-4.37	Pass

20M – 5170MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4029.00	37.64	8.57	12.10	58.31	Peak Max	V	161.00	75.00	74.00	-15.69	Pass
17499.02	34.88	16.79	10.39	62.07	Peak Max	V	184.00	122.00	74.00	-11.93	Pass
1011.71	43.54	3.37	9.66	56.57	Peak Max	V	149.00	268.00	74.00	-17.43	Pass
4029.00	25.31	8.57	12.10	45.98	Average Max	V	161.00	75.00	54.00	-8.02	Pass
17499.02	23.06	16.79	10.39	50.25	Average Max	V	184.00	122.00	54.00	-3.75	Pass
1011.71	31.86	3.37	9.66	44.89	Average Max	V	149.00	268.00	54.00	-9.11	Pass

20M – 5210MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4253.17	36.44	9.13	11.13	56.70	Peak Max	V	203.00	117.00	74.00	-17.30	Pass
17488.56	35.49	16.79	10.36	62.64	Peak Max	H	206.00	7.00	74.00	-11.36	Pass
1000.00	34.68	3.35	9.68	47.71	Peak Max	H	239.00	353.00	74.00	-26.29	Pass
4253.17	25.32	9.13	11.13	45.58	Average Max	V	203.00	117.00	54.00	-8.42	Pass
17488.56	23.03	16.79	10.36	50.19	Average Max	H	206.00	7.00	54.00	-3.82	Pass
1000.00	31.62	3.35	9.68	44.65	Average Max	H	239.00	353.00	54.00	-9.35	Pass

20M – 5230MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
17768.14	34.45	16.33	10.67	61.45	Peak Max	H	177.00	194.00	74.00	-12.56	Pass
4175.93	34.06	8.94	11.46	54.46	Peak Max	V	176.00	362.00	74.00	-19.54	Pass
6165.52	35.67	10.69	10.67	57.03	Peak Max	V	222.00	120.00	74.00	-16.98	Pass
17768.14	22.79	16.33	10.67	49.79	Average Max	H	177.00	194.00	54.00	-4.22	Pass
4175.93	22.15	8.94	11.46	42.55	Average Max	V	176.00	362.00	54.00	-11.45	Pass
6165.52	24.35	10.69	10.67	45.71	Average Max	V	222.00	120.00	54.00	-8.29	Pass

40M – 5190MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
17426.10	34.61	16.78	10.18	61.56	Peak Max	H	164.00	303.00	74.00	-12.44	Pass
4122.55	34.96	8.81	11.69	55.46	Peak Max	H	217.00	126.00	74.00	-18.54	Pass
6109.60	36.54	10.62	10.80	57.96	Peak Max	H	249.00	363.00	74.00	-16.04	Pass
17426.10	23.03	16.78	10.18	49.98	Average Max	H	164.00	303.00	54.00	-4.02	Pass
4122.55	23.41	8.81	11.69	43.91	Average Max	H	217.00	126.00	54.00	-10.09	Pass
6109.60	24.41	10.62	10.80	45.83	Average Max	H	249.00	363.00	54.00	-8.17	Pass

40M – 5230MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
17626.93	34.25	16.57	10.53	61.35	Peak Max	H	162.00	36.00	74.00	-12.66	Pass
4217.72	38.28	9.04	11.28	58.60	Peak Max	V	228.00	346.00	74.00	-15.40	Pass
6109.70	35.64	10.62	10.80	57.06	Peak Max	H	239.00	198.00	74.00	-16.94	Pass
17626.93	22.93	16.57	10.53	50.03	Average Max	H	162.00	36.00	54.00	-3.97	Pass
4217.72	25.56	9.04	11.28	45.88	Average Max	V	228.00	346.00	54.00	-8.12	Pass
6109.70	24.44	10.62	10.80	45.86	Average Max	H	239.00	198.00	54.00	-8.14	Pass

10M – 5735MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
17480.11	35.18	16.79	10.34	62.31	Peak Max	H	168.00	16.00	74.00	-11.69	Pass
4249.84	36.91	9.12	11.15	57.18	Peak Max	V	243.00	67.00	74.00	-16.82	Pass
6110.05	36.34	10.62	10.80	57.76	Peak Max	V	230.00	93.00	74.00	-16.24	Pass
17480.11	23.15	16.79	10.34	50.28	Average Max	H	168.00	16.00	54.00	-3.72	Pass
4249.84	25.31	9.12	11.15	45.58	Average Max	V	243.00	67.00	54.00	-8.42	Pass
6110.05	24.62	10.62	10.80	46.04	Average Max	V	230.00	93.00	54.00	-7.96	Pass

10M – 5775MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4101.97	37.10	8.76	11.78	57.64	Peak Max	H	234.00	5.00	74.00	-16.36	Pass
17543.82	34.32	16.71	10.44	61.47	Peak Max	H	188.00	75.00	74.00	-12.53	Pass
6153.73	37.17	10.67	10.70	58.54	Peak Max	V	194.00	38.00	74.00	-15.46	Pass
4101.97	25.20	8.76	11.78	45.74	Average Max	H	234.00	5.00	54.00	-8.26	Pass
17543.82	23.08	16.71	10.44	50.24	Average Max	H	188.00	75.00	54.00	-3.76	Pass
6153.73	24.53	10.67	10.70	45.90	Average Max	V	194.00	38.00	54.00	-8.10	Pass

10M – 5825MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4188.27	37.73	8.97	11.41	58.11	Peak Max	H	182.00	38.00	74.00	-15.90	Pass
17617.28	35.17	16.59	10.52	62.28	Peak Max	H	239.00	351.00	74.00	-11.72	Pass
6099.03	36.78	10.60	10.83	58.21	Peak Max	V	187.00	363.00	74.00	-15.79	Pass
4188.27	25.54	8.97	11.41	45.92	Average Max	H	182.00	38.00	54.00	-8.08	Pass
17617.28	22.59	16.59	10.52	49.69	Average Max	H	239.00	351.00	54.00	-4.31	Pass
6099.03	24.50	10.60	10.83	45.93	Average Max	V	187.00	363.00	54.00	-8.07	Pass

20M – 5755MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
17607.02	34.38	16.60	10.51	61.49	Peak Max	H	210.00	121.00	74.00	-12.51	Pass
4221.15	36.97	9.05	11.27	57.29	Peak Max	H	235.00	195.00	74.00	-16.71	Pass
1011.95	43.15	3.37	9.66	56.18	Peak Max	V	182.00	6.00	74.00	-17.82	Pass
17607.02	22.76	16.60	10.51	49.87	Average Max	H	210.00	121.00	54.00	-4.13	Pass
4221.15	25.45	9.05	11.27	45.77	Average Max	H	235.00	195.00	54.00	-8.23	Pass
1011.95	31.44	3.37	9.66	44.47	Average Max	V	182.00	6.00	54.00	-9.53	Pass

20M – 5795MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4070.73	37.43	8.68	11.92	58.02	Peak Max	H	250.00	191.00	74.00	-15.98	Pass
17331.17	34.83	16.77	9.89	61.49	Peak Max	V	192.00	181.00	74.00	-12.51	Pass
6143.02	37.08	10.66	10.72	58.46	Peak Max	V	151.00	332.00	74.00	-15.54	Pass
4070.73	25.39	8.68	11.92	45.99	Average Max	H	250.00	191.00	54.00	-8.01	Pass
17331.17	22.94	16.77	9.89	49.60	Average Max	V	192.00	181.00	54.00	-4.40	Pass
6143.02	24.80	10.66	10.72	46.18	Average Max	V	151.00	332.00	54.00	-7.82	Pass

20M – 5815MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
17555.04	34.61	16.69	10.45	61.76	Peak Max	V	245.00	284.00	74.00	-12.24	Pass
4068.95	37.23	8.68	11.92	57.83	Peak Max	V	166.00	110.00	74.00	-16.17	Pass
6153.67	36.24	10.67	10.70	57.61	Peak Max	V	163.00	255.00	74.00	-16.39	Pass
17555.04	22.82	16.69	10.45	49.97	Average Max	V	245.00	284.00	54.00	-4.03	Pass
4068.95	25.45	8.68	11.92	46.05	Average Max	V	166.00	110.00	54.00	-7.95	Pass
6153.67	24.77	10.67	10.70	46.14	Average Max	V	163.00	255.00	54.00	-7.86	Pass

40M – 5745MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
17425.38	34.56	16.78	10.17	61.51	Peak Max	V	160.00	266.00	74.00	-12.49	Pass
4326.07	33.99	9.31	10.83	54.13	Peak Max	V	217.00	66.00	74.00	-19.87	Pass
1021.28	43.74	3.38	9.64	56.77	Peak Max	V	212.00	359.00	74.00	-17.23	Pass
17425.38	22.88	16.78	10.17	49.83	Average Max	V	160.00	266.00	54.00	-4.17	Pass
4326.07	22.59	9.31	10.83	42.72	Average Max	V	217.00	66.00	54.00	-11.28	Pass
1021.28	31.64	3.38	9.64	44.67	Average Max	V	212.00	359.00	54.00	-9.34	Pass

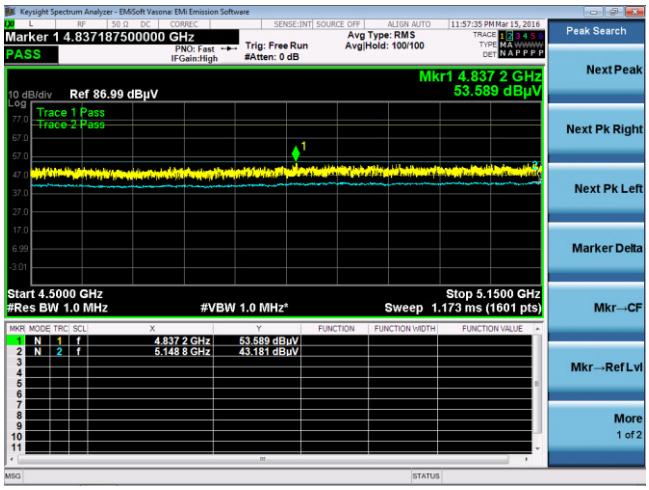
40M – 5785MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
6098.80	36.43	10.60	10.83	57.87	Peak Max	H	214.00	330.00	74.00	-16.13	Pass
17743.23	34.74	16.37	10.65	61.76	Peak Max	V	172.00	357.00	74.00	-12.24	Pass
4156.99	37.23	8.90	11.54	57.67	Peak Max	H	229.00	164.00	74.00	-16.34	Pass
6098.80	24.48	10.60	10.83	45.91	Average Max	H	214.00	330.00	54.00	-8.09	Pass
17743.23	22.84	16.37	10.65	49.86	Average Max	V	172.00	357.00	54.00	-4.15	Pass
4156.99	25.57	8.90	11.54	46.01	Average Max	H	229.00	164.00	54.00	-8.00	Pass

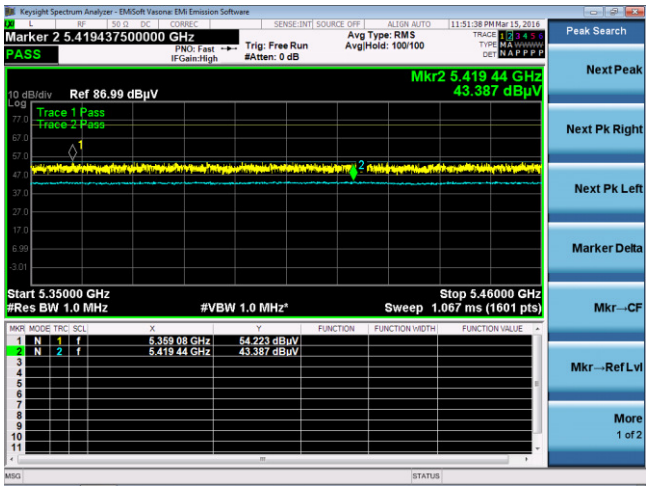
40M – 5825MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
17479.30	35.63	16.79	10.34	62.76	Peak Max	H	180.00	0.00	74.00	-11.24	Pass
4239.20	34.87	9.10	11.19	55.16	Peak Max	H	213.00	59.00	74.00	-18.84	Pass
6154.66	36.49	10.67	10.69	57.86	Peak Max	V	231.00	354.00	74.00	-16.14	Pass
17479.30	22.96	16.79	10.34	50.09	Average Max	H	180.00	0.00	54.00	-3.91	Pass
4239.20	23.18	9.10	11.19	43.47	Average Max	H	213.00	59.00	54.00	-10.53	Pass
6154.66	24.67	10.67	10.69	46.04	Average Max	V	231.00	354.00	54.00	-7.96	Pass

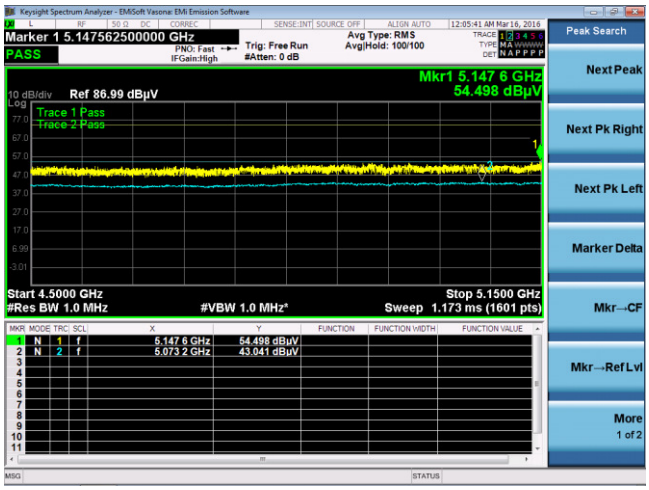
Restricted Band Measurement Plots



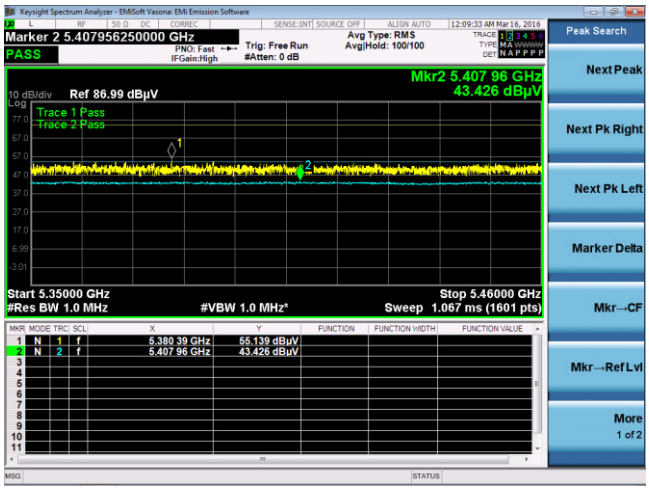
Lower Band 10M - 5160MHz



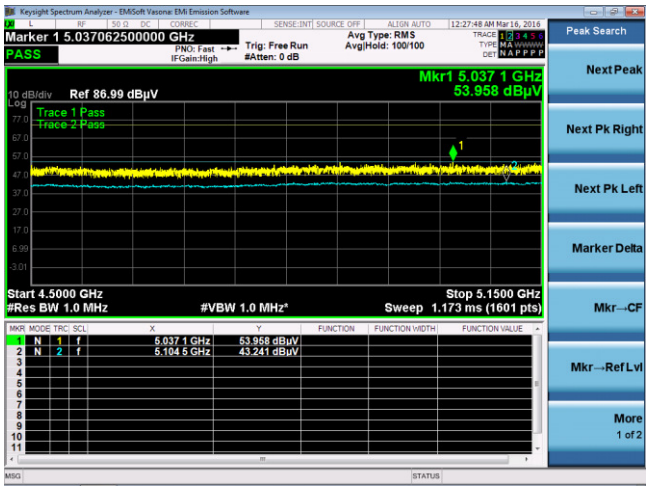
Higher Band 10M - 5240MHz



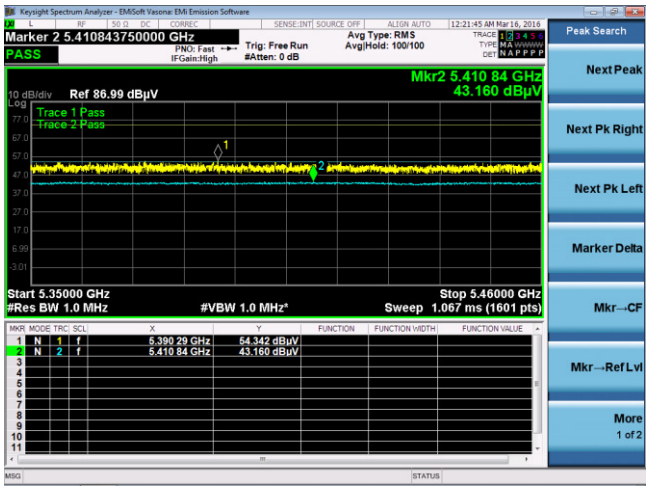
Lower Band 20M - 5170MHz



Higher Band 20M - 5230MHz

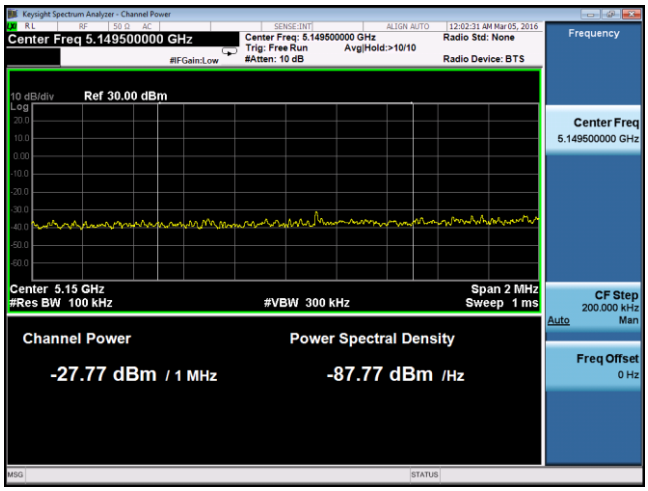


Lower Band 20M - 5190MHz

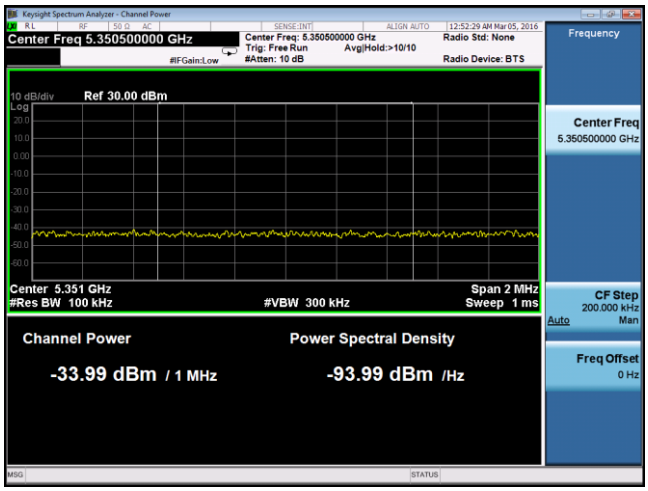


Higher Band 20M - 5230MHz

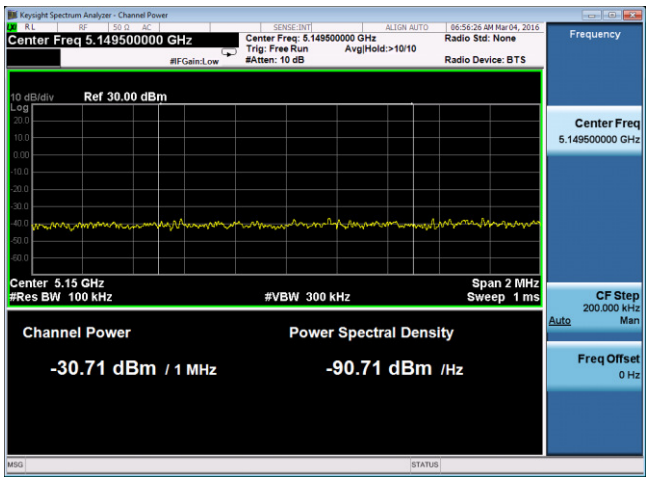
Conducted Band Edge Measurement Plots – Band 1



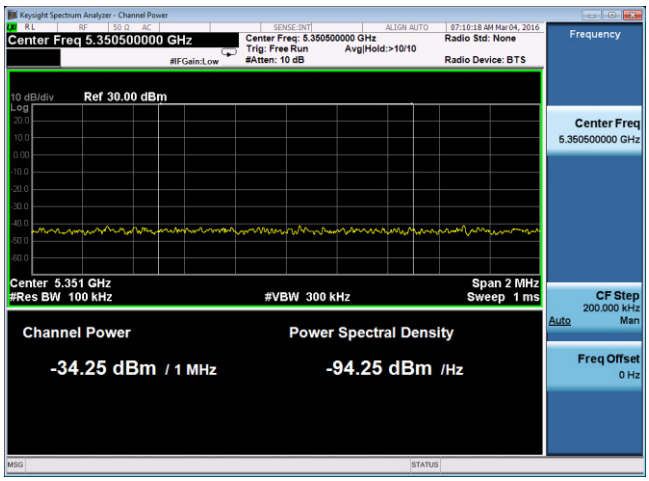
Band Edge – 10M 5160MHz



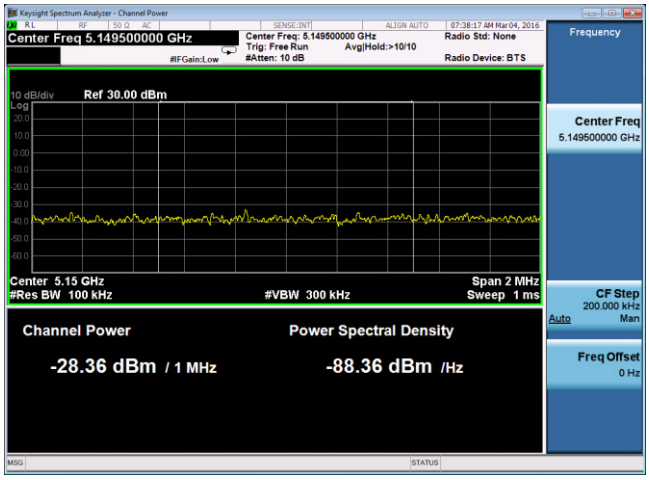
Band Edge – 10M 5240MHz



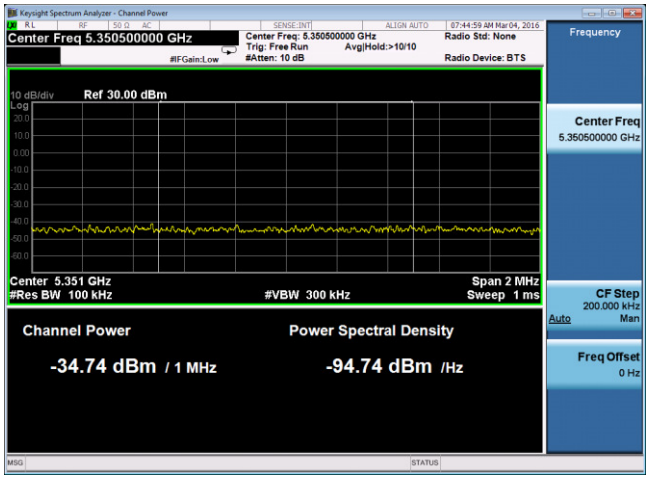
Band Edge – 20M 5170MHz



Band Edge – 20M 5230MHz

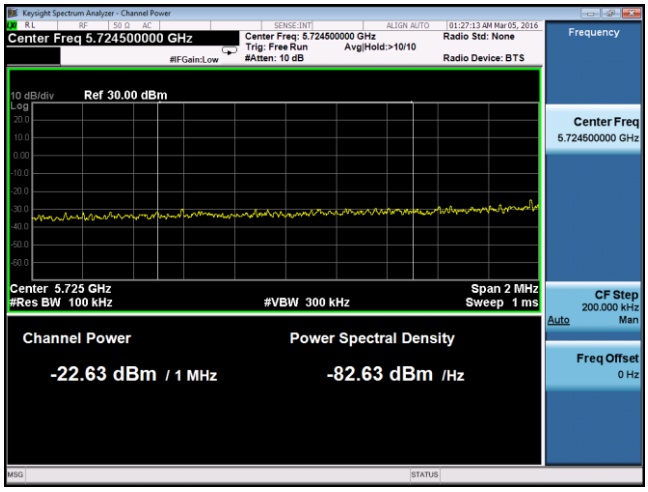


Band Edge – 40M 5190MHz

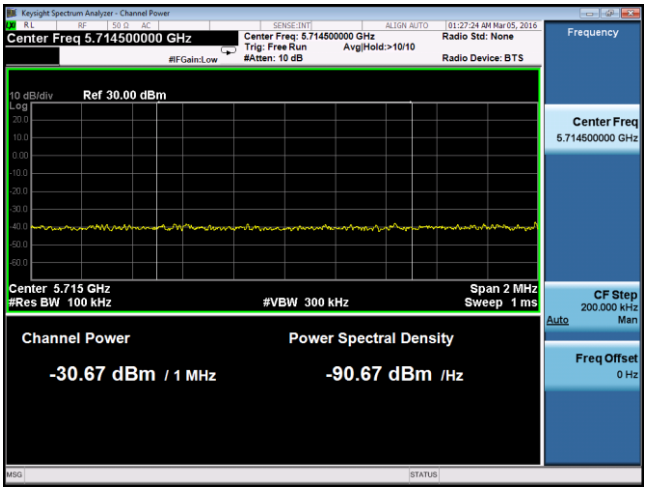


Band Edge – 40M 5230MHz

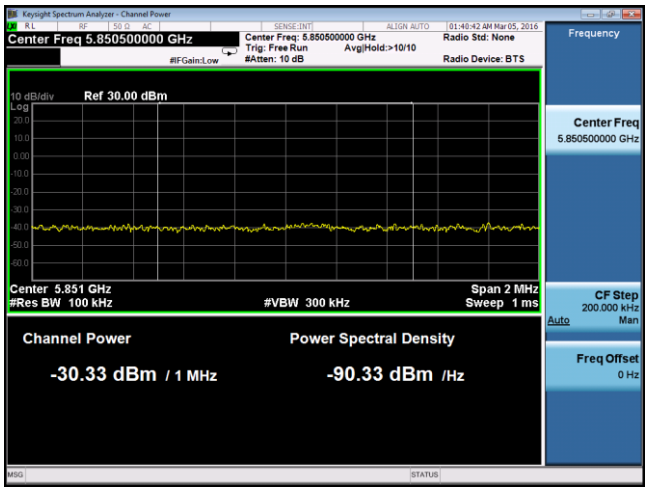
Conducted Band Edge Measurement Plots – Band 4



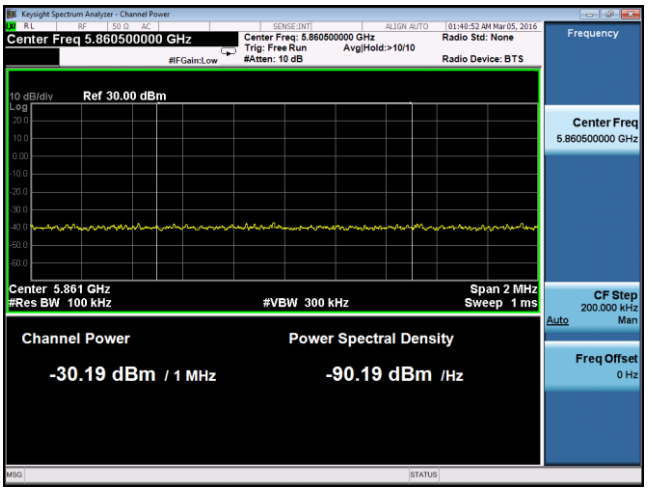
Band Edge – 10M 5735MHz (-17 eirp)



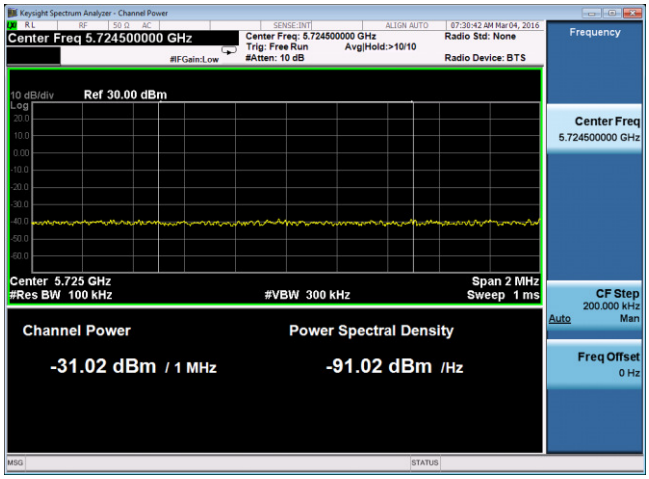
Band Edge – 10M 5735MHz (-27 eirp)



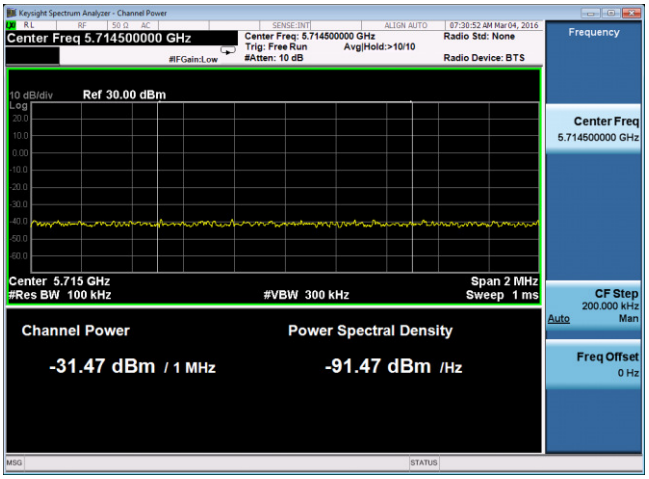
Band Edge – 10M 5825MHz (-17 eirp)



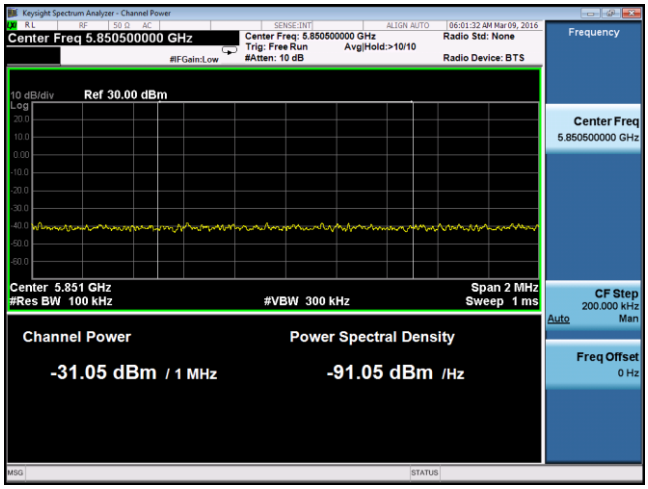
Band Edge – 10M 5735MHz (-27 eirp)



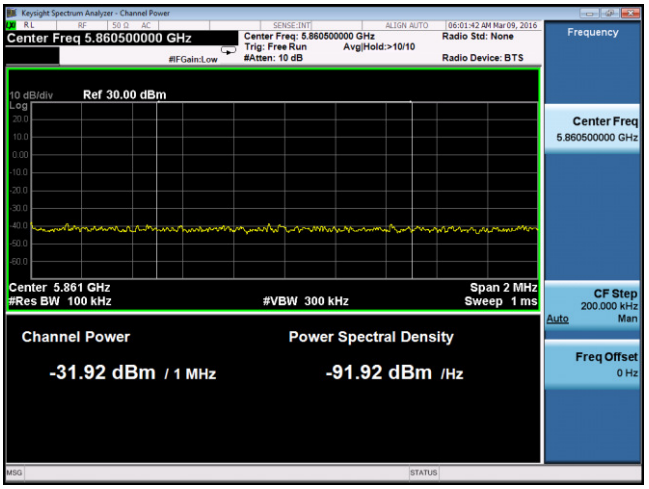
Band Edge – 20M 5755MHz (-17 eirp)



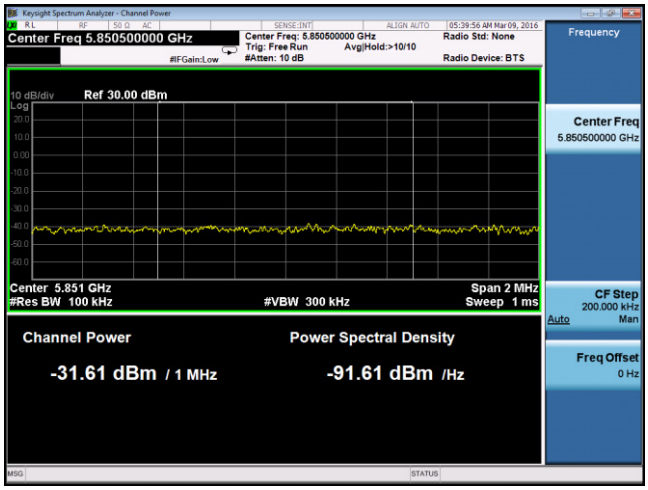
Band Edge – 20M 5755MHz (-27 eirp)



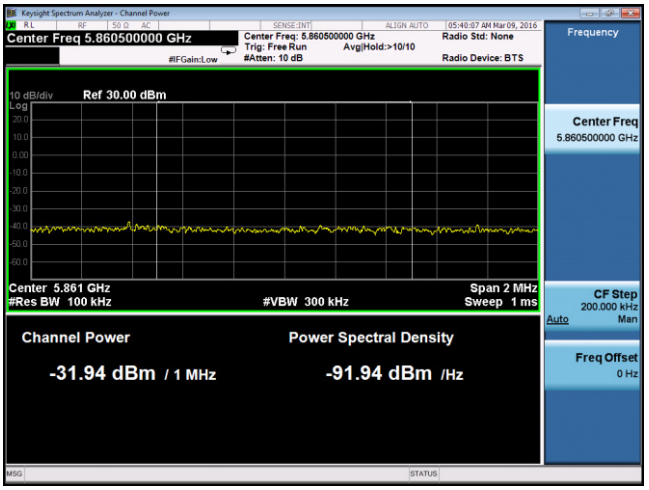
Band Edge – 20M 5815MHz (-17 eirp)



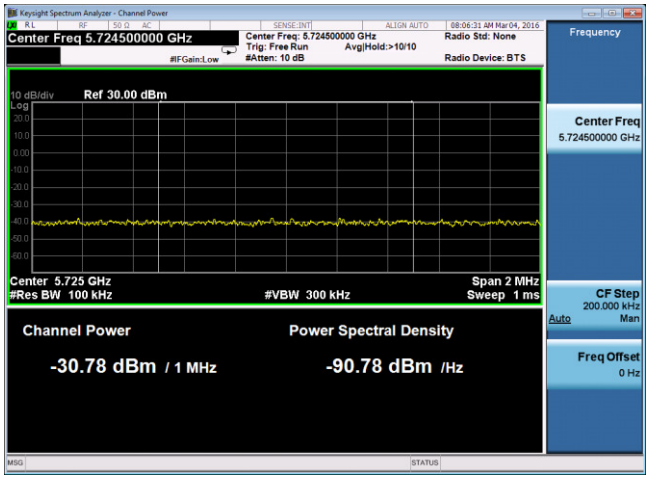
Band Edge – 20M 5815MHz (-27 eirp)



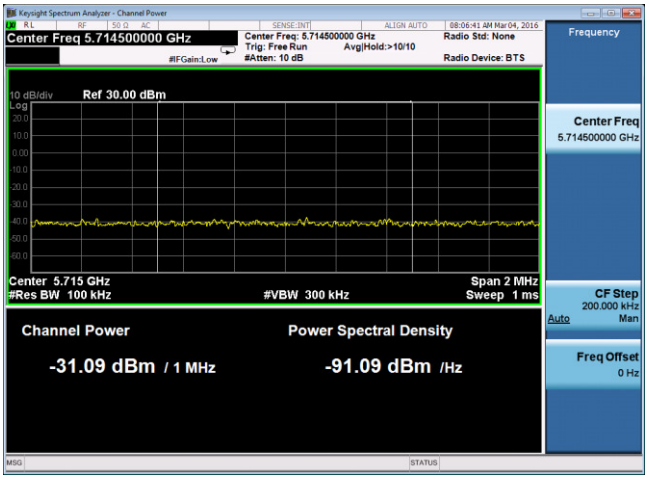
Band Edge – 40M 5745MHz (-17 eirp)



Band Edge – 40M 5745MHz (-27 eirp)



Band Edge – 40M 5825MHz (-17 eirp)



Band Edge – 40M 5825MHz (-27 eirp)

Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Cycle	Cal Due	In use
Conducted Emissions						
R & S Receiver	ESIB 40	100179	05/23/2015	1 Year	05/23/2016	☑
CHASE LISN	MN2050B	1018	08/07/2015	1 Year	08/07/2016	☑
Radiated Emissions						
R & S Receiver	ESL6	100178	05/27/2015	1 Year	05/27/2016	☑
R & S Receiver	ESIB 40	100179	05/23/2015	1 Year	05/23/2016	☑
ETS-Lingren Loop Antenna	6512	00049120	05/12/2015	1 Year	05/12/2016	☑
Bi-Log antenna (30MHz~2GHz)	JB1	A030702	08/12/2015	1 Year	08/12/2016	☑
3 Meters SAC	3M	N/A	08/08/2015	1 Year	08/08/2016	☑
10 Meters SAC	10M	N/A	09/05/2015	1 Year	09/05/2016	☑
RF Conducted Measurement						
Spectrum Analyzer	N9010A	10SL0219	08/20/2015	1 Year	08/20/2016	☑
Test Equity Environment Chamber	1007H	61201	07/31/2015	1 Year	07/31/2016	☐
USB RF Power Sensor	7002-006	10SL0190	09/03/2015	1 Year	09/03/2016	☑

Annex B. SIEMIC Accreditation

Accreditations	Document	Scope / Remark
ISO 17025 (A2LA)		Please see the documents for the detailed scope
ISO Guide 65 (A2LA)		Please see the documents for the detailed scope
TCB Designation		A1, A2, A3, A4, B1, B2, B3, B4, C
FCC DoC Accreditation		FCC Declaration of Conformity Accreditation
FCC Site Registration		3 meter site
FCC Site Registration		10 meter site
IC Site Registration		3 meter site
IC Site Registration		10 meter site
EU NB		**Radio & Telecommunications Terminal Equipment:** EN45001 – EN ISO/IEC 17025
		Electromagnetic Compatibility: EN45001 – EN ISO/IEC 17025
Singapore iDA CB(Certification Body)		Phase I, Phase II
Vietnam MIC CAB Accreditation		Please see the document for the detailed scope
Hong Kong OFCA		**(Phase II)** OFCA Foreign Certification Body for Radio and Telecom
		(Phase I) Conformity Assessment Body for Radio and Telecom
Industry Canada CAB		**Radio:** Scope A – All Radio Standard Specification in Category I
		Telecom: CS-03 Part I, II, V, VI, VII, VIII

Japan Recognized Certification Body Designation		**Radio**: A1. Terminal equipment for purpose of calling **Telecom**: B1. Specified radio equipment specified in Article 38-2, Paragraph 1, Item 1 of the Radio Law
Korea CAB Accreditation		**EMI:** KCC Notice 2008-39, RRL Notice 2008-3: CA Procedures for EMI KN22: Test Method for EMI **EMS:** KCC Notice 2008-38, RRL Notice 2008-4: CA Procedures for EMS KN24, KN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11: Test Method for EMS
		Radio: RRL Notice 2008-26, RRL Notice 2008-2, RRL Notice 2008-10, RRL Notice 2007-49, RRL Notice 2007-20, RRL Notice 2007-21, RRL Notice 2007-80, RRL Notice 2004-68
		Telecom: President Notice 20664, RRL Notice 2007-30, RRL Notice 2008-7 with attachments 1, 3, 5, 6; President Notice 20664, RRL Notice 2008-7 with attachment 4
Taiwan NCC CAB Recognition		LP0002, PSTN01, ADSL01, ID0002, IS6100, CNS14336, PLMN07, PLMN01, PLMN08
Taiwan BSMI CAB Recognition		CNS 13438
Japan VCCI		R-3083: Radiation 3 meter site C-3421: Main Ports Conducted Interference Measurement T-1597: Telecommunication Ports Conducted Interference Measurement
Australia CAB Recognition		**EMC:** AS/NZS CISPR 11, AS/NZS CISPR 14.1, AS/NZS CISPR22, AS/NZS 61000.6.3, AS/NZS 61000.6.4
		Radio communications: AS/NZS 4281, AS/NZS 4268, AS/NZS 4280.1, AS/NZS 4280.2, AS/NZS 4295, AS/NZS 4582, AS/NZS 4583, AS/NZS 4769.1, AS/NZS 4769.2, AS/NZS 4770, AS/NZS 4771
		Telecommunications: AS/ACIF S002:05, AS/ACIF S003:06, AS/ACIF S004:06 AS/ACIF S006:01, AS/ACIF S016:01, AS/ACIF S031:01, AS/ACIF S038:01, AS/ACIF S040:01, AS/ACIF S041:05, AS/ACIF S043.2:06, AS/ACIF S60950.1
Australia NATA Recognition		AS/ACIF S002, AS/ACIF S003, AS/ACIF S004, AS/ACIF S006, AS/ACIF S016,AS/ACIF S031, AS/ACIF S038, AS/ACIF S040, AS/ACIF S041, AS/ACIF S043.2