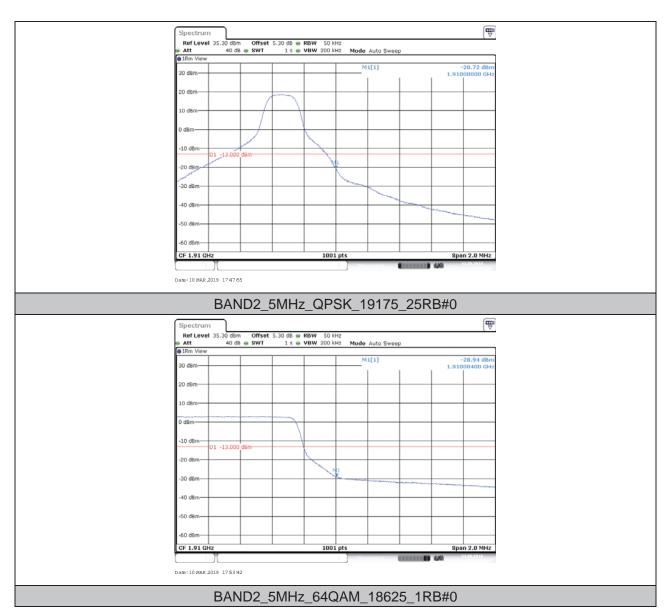
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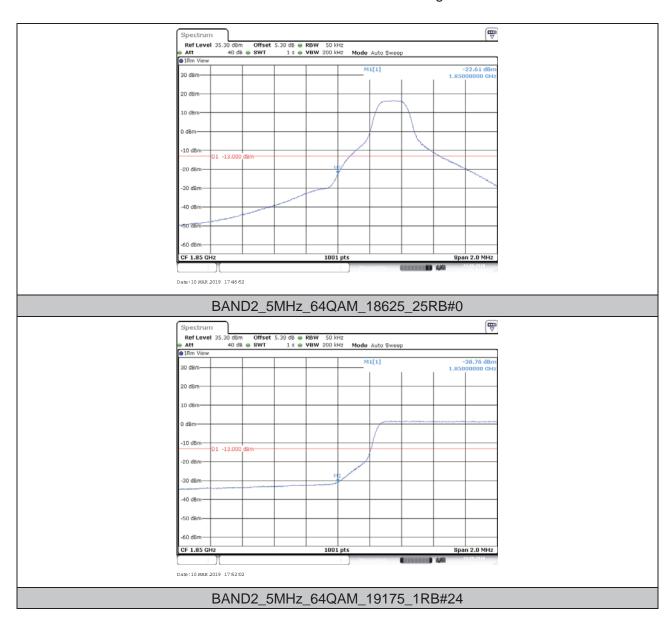
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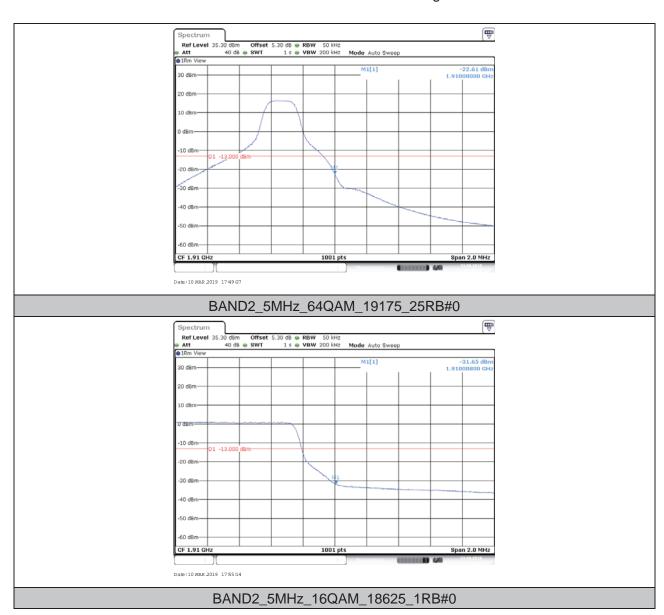


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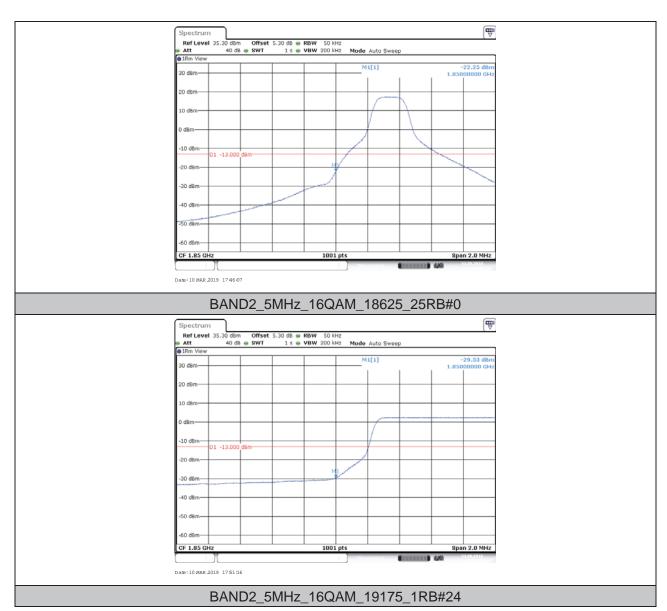


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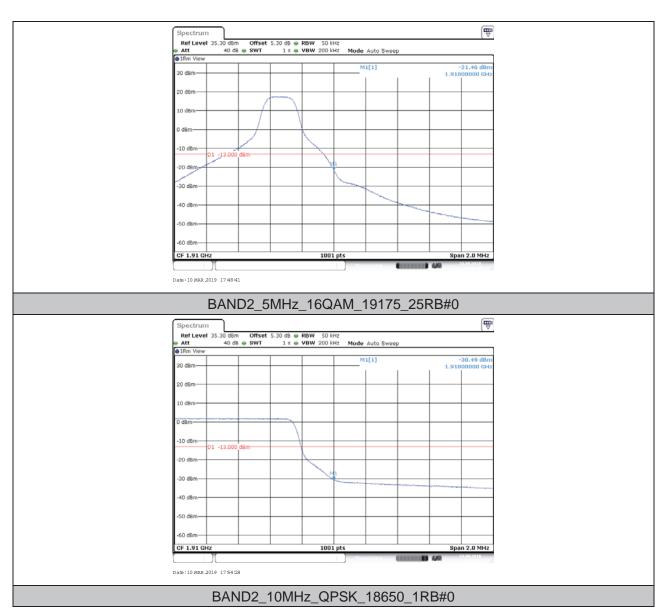




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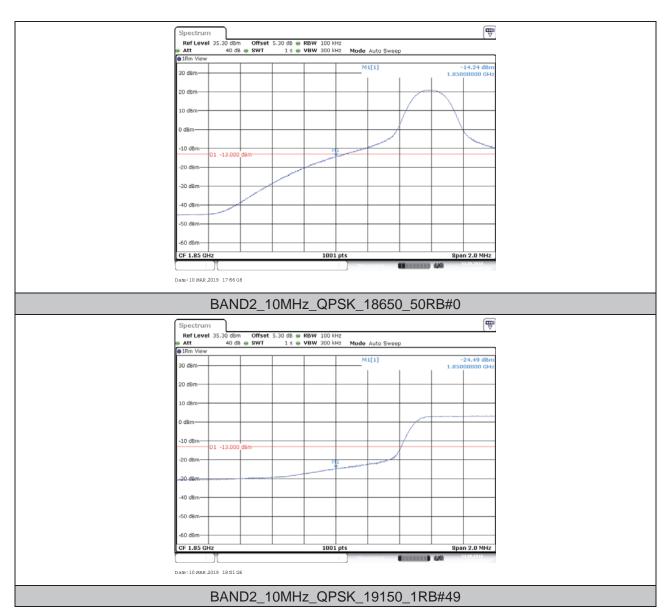


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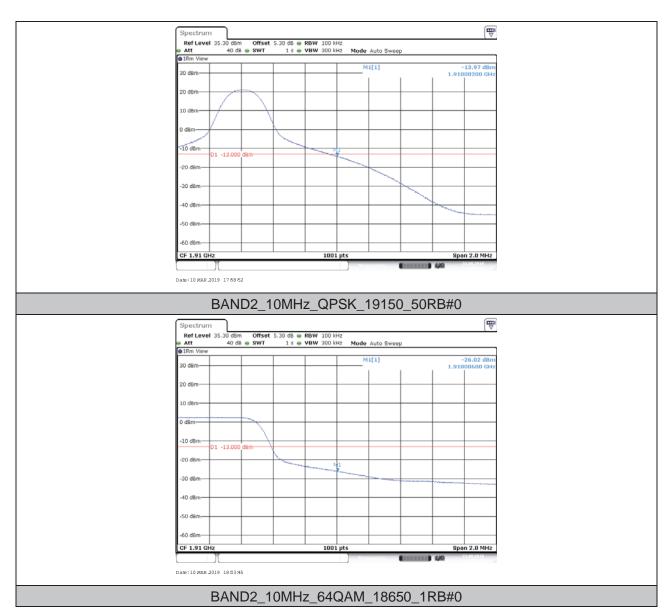
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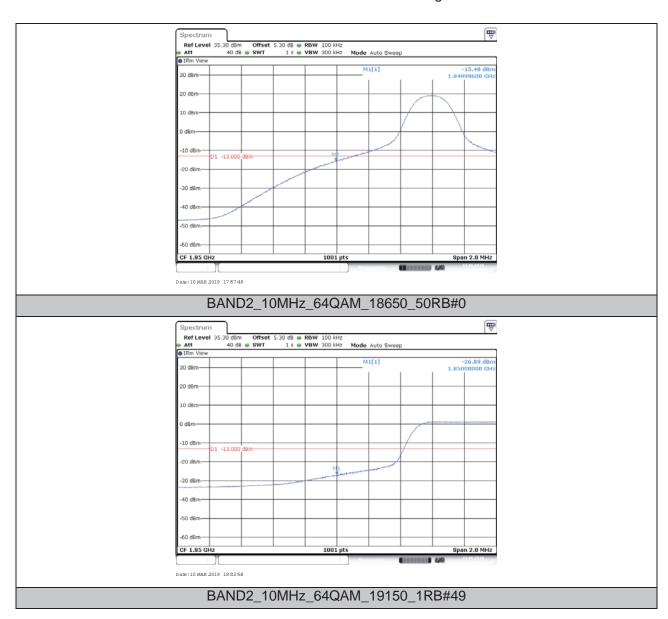
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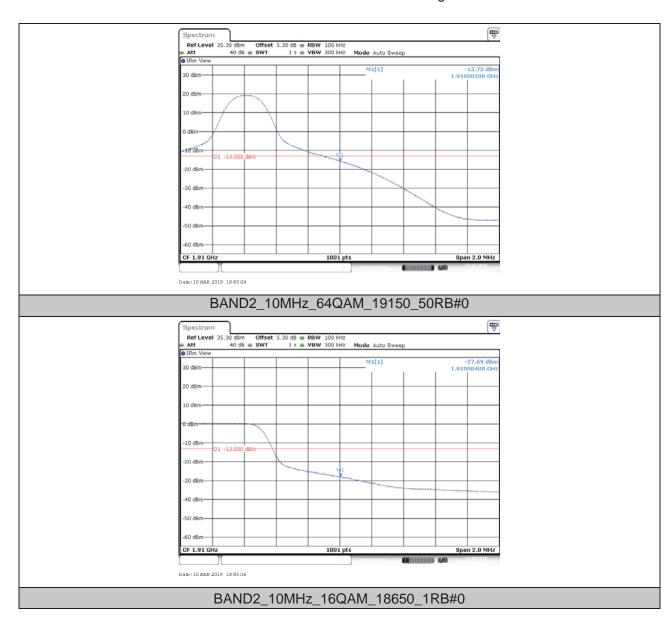
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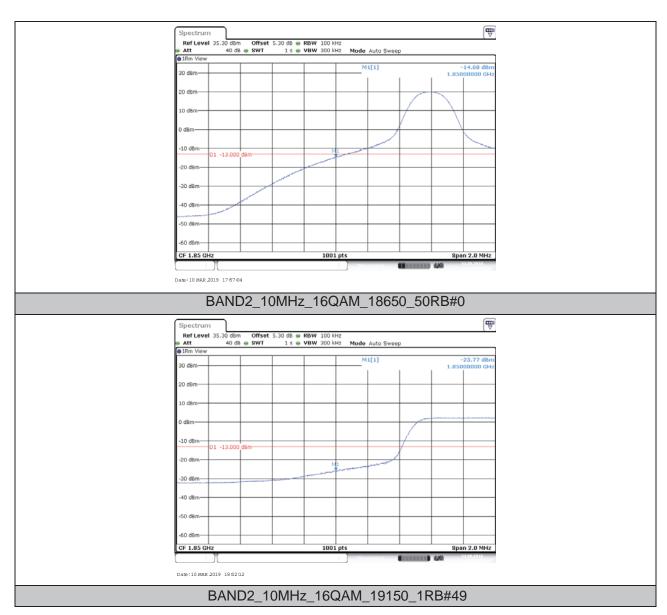
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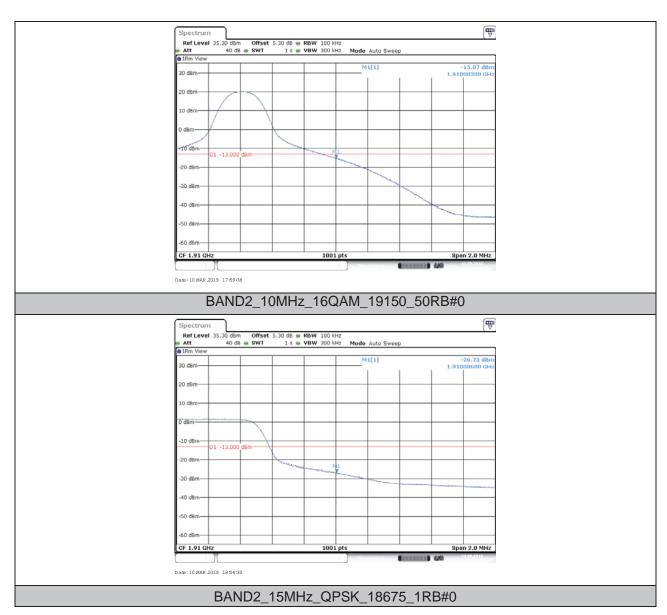


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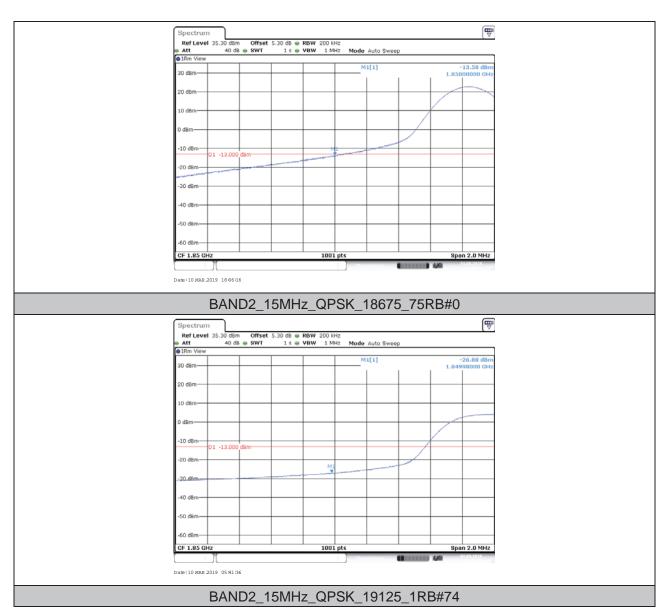


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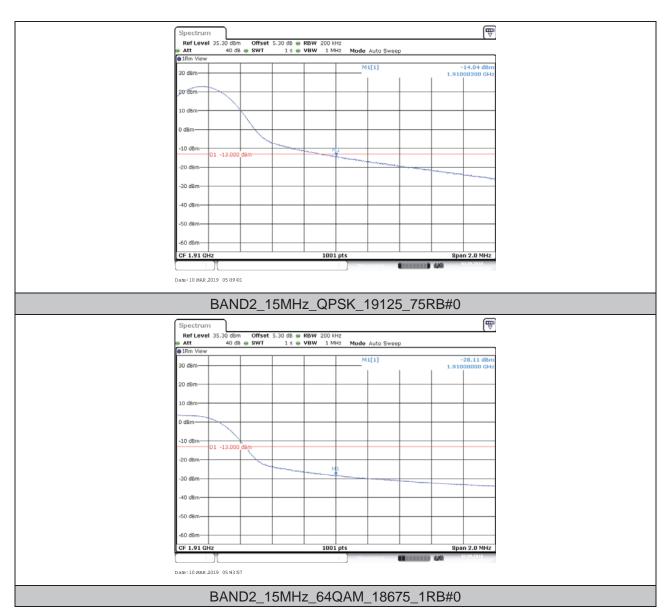


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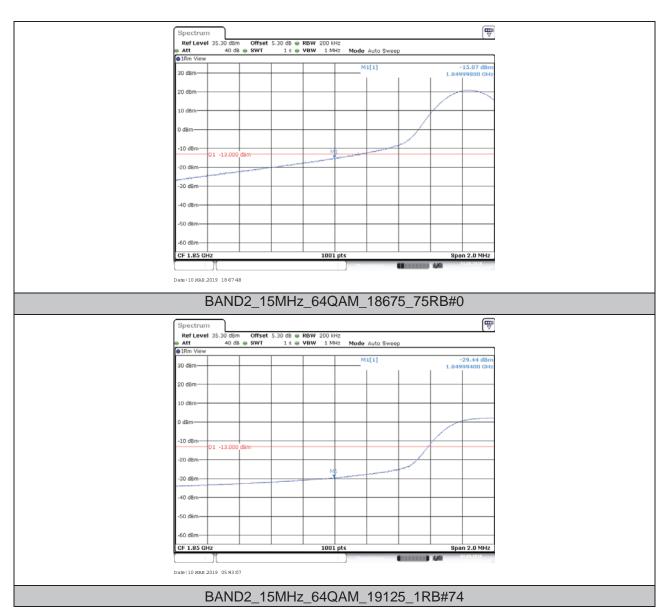


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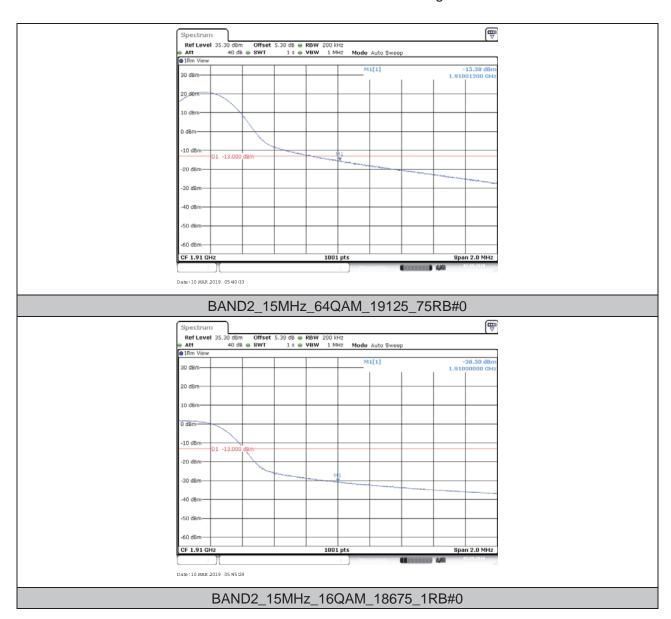
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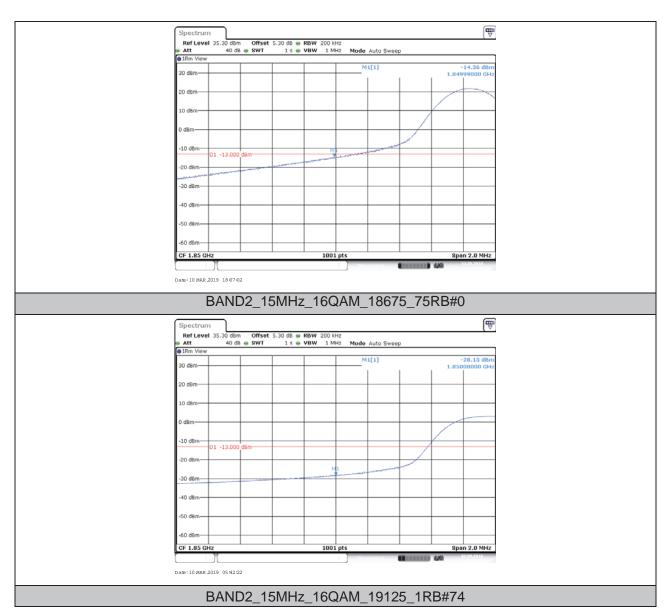


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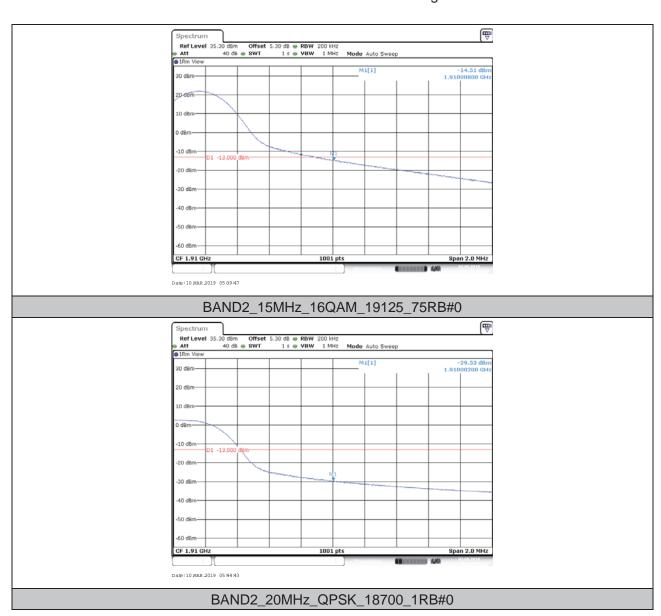
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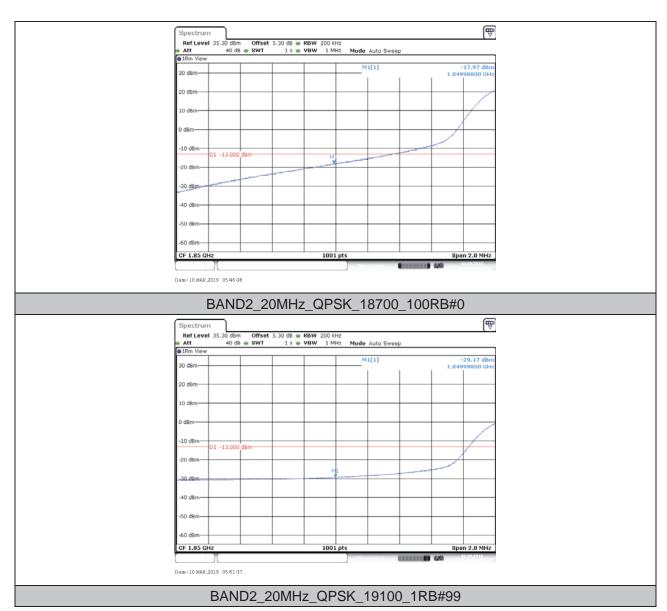
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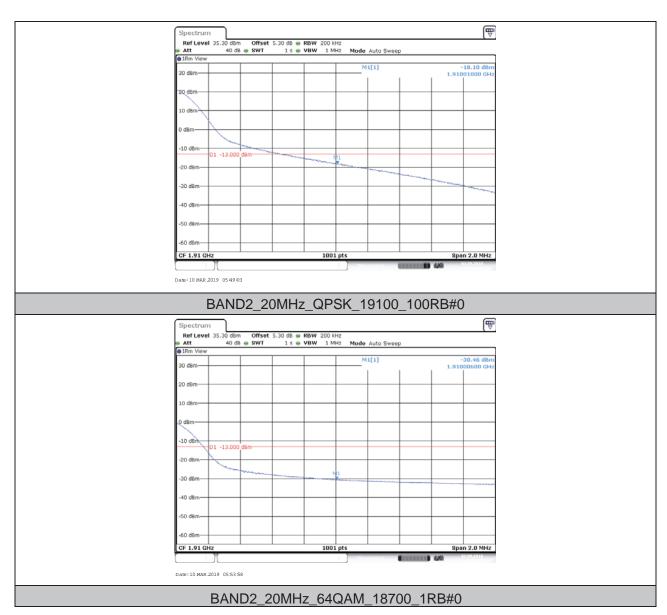


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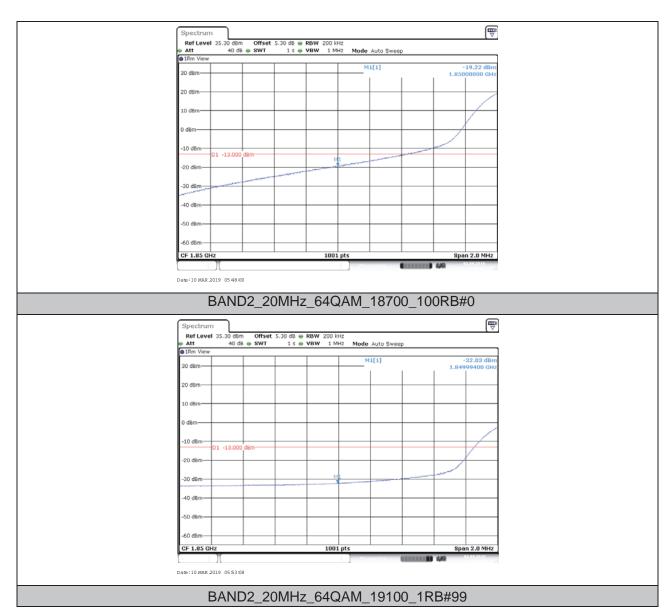
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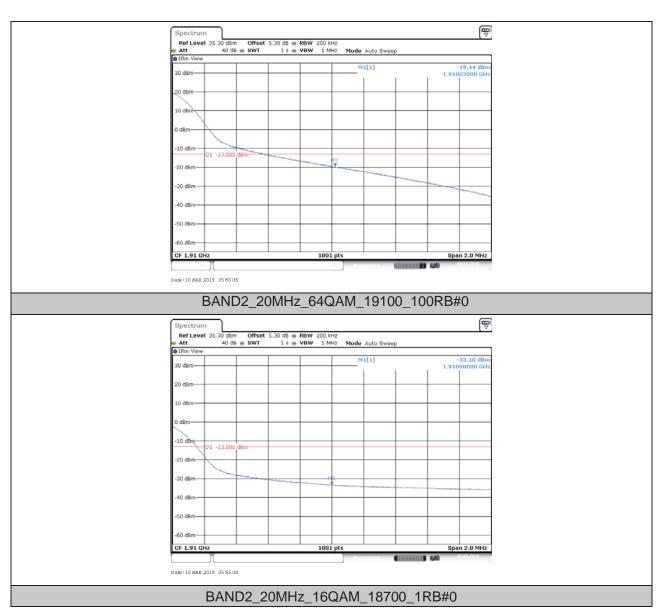


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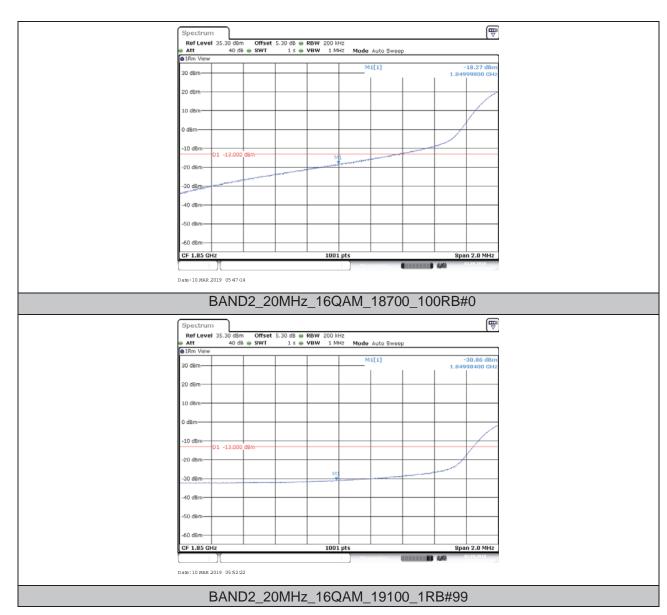




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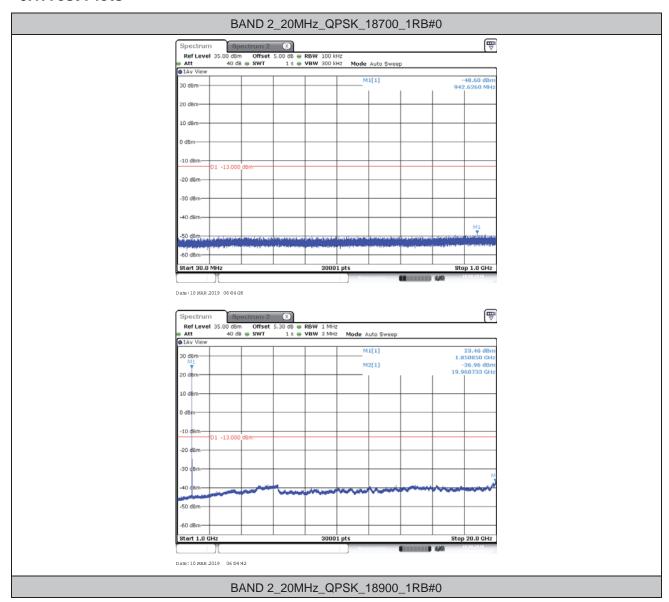
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6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k = 4 * (Span / RBW) with k = 4 * (Span / RBW)

Remark2: only the worst case data displayed in this report.

6.1. Test Plots





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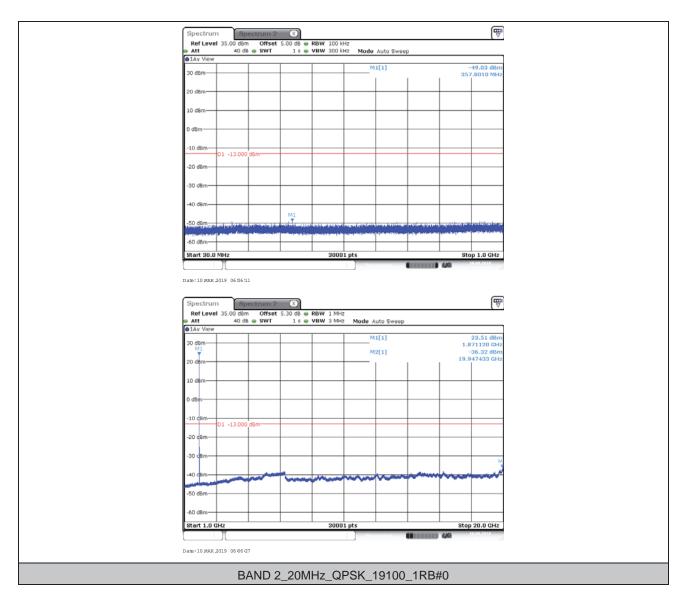
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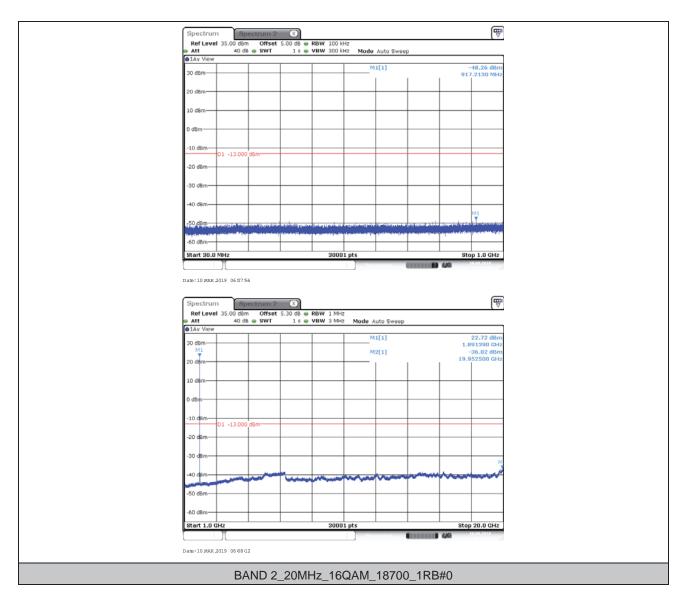
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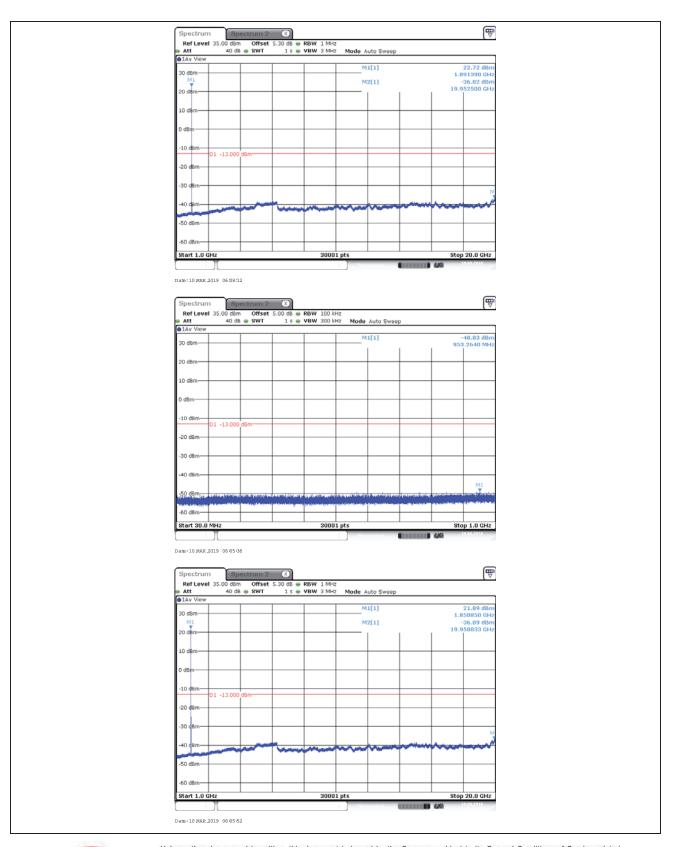
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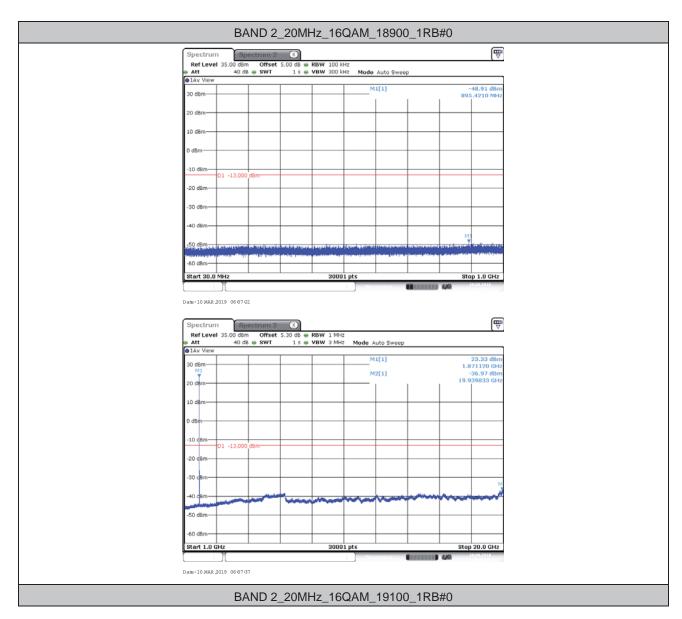
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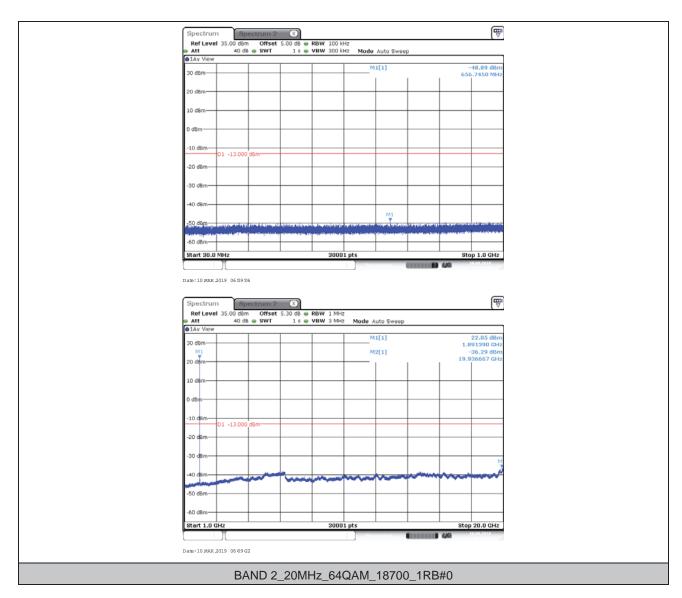
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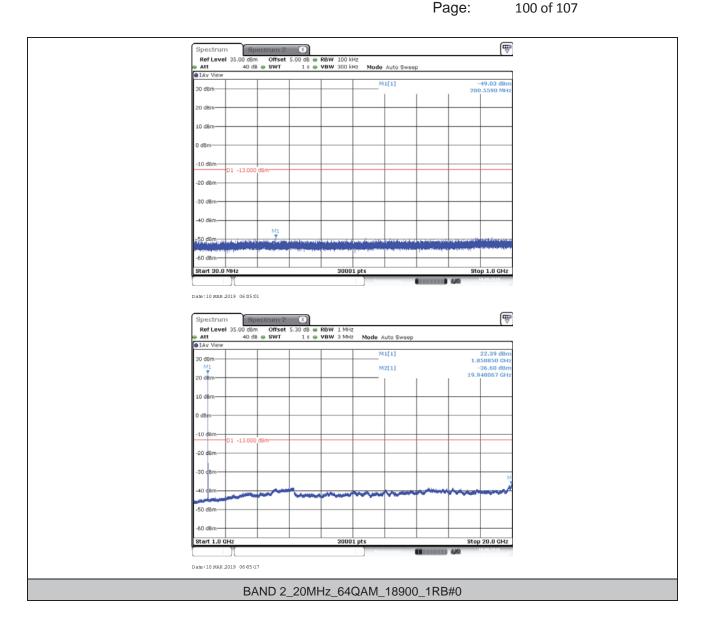
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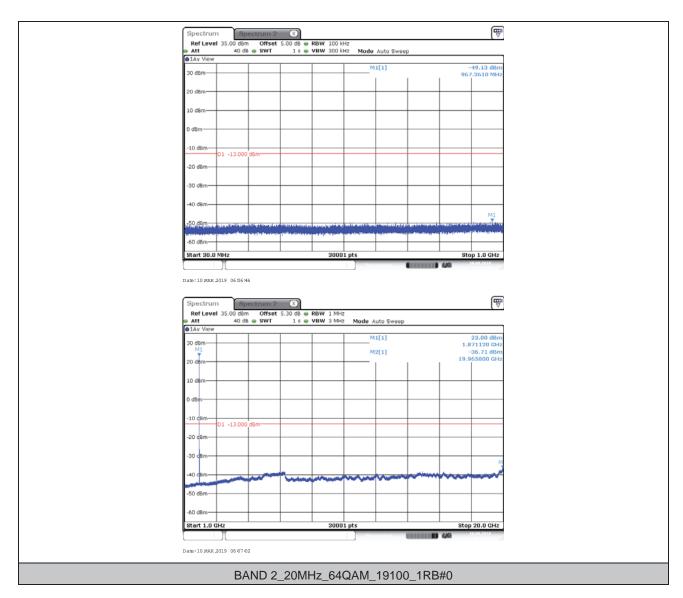
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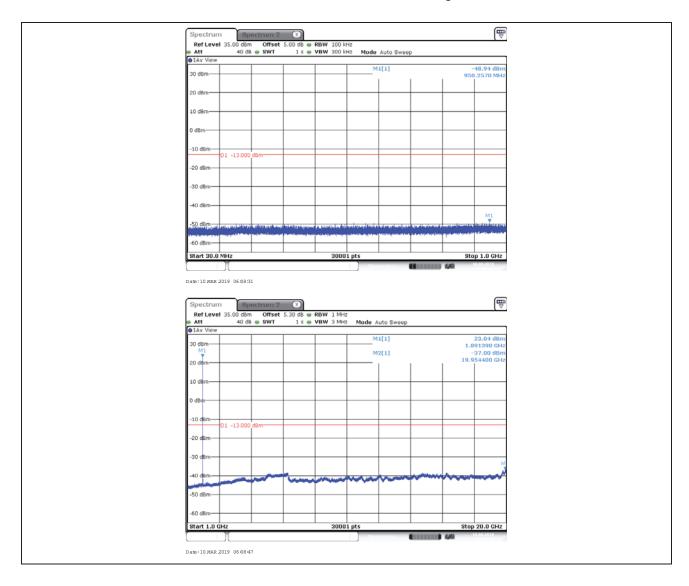
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7. Field Strength of Spurious Radiation

7.1.Test BAND = LTE BAND 2

7.1.1. Test Mode =LTE/TM1 20MHz

7.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.100000	-81.77	-13.00	68.77	Vertical
104.300000	-65.29	-13.00	52.29	Vertical
1259.500000	-66.52	-13.00	53.52	Vertical
2815.000000	-57.83	-13.00	44.83	Vertical
5552.875000	-64.25	-13.00	51.25	Vertical
8605.925000	-63.78	-13.00	50.78	Vertical
61.850000	-78.53	-13.00	65.53	Horizontal
104.250000	-81.48	-13.00	68.48	Horizontal
1231.500000	-62.52	-13.00	49.52	Horizontal
3702.000000	-66.99	-13.00	53.99	Horizontal
5813.200000	-66.42	-13.00	53.42	Horizontal
9255.275000	-58.96	-13.00	45.96	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.300000	-81.30	-13.00	68.30	Vertical
104.300000	-65.00	-13.00	52.00	Vertical
2880.500000	-57.50	-13.00	44.50	Vertical
3650.650000	-68.48	-13.00	55.48	Vertical
5613.000000	-63.23	-13.00	50.23	Vertical
9233.500000	-63.88	-13.00	50.88	Vertical
62.250000	-77.97	-13.00	64.97	Horizontal
104.250000	-81.52	-13.00	68.52	Horizontal
1441.000000	-61.74	-13.00	48.74	Horizontal
3741.650000	-68.10	-13.00	55.10	Horizontal
5613.000000	-65.59	-13.00	52.59	Horizontal
9355.375000	-60.85	-13.00	47.85	Horizontal



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7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.050000	-81.97	-13.00	68.97	Vertical
104.250000	-65.34	-13.00	52.34	Vertical
2456.000000	-58.94	-13.00	45.94	Vertical
3805.675000	-68.17	-13.00	55.17	Vertical
5673.125000	-63.71	-13.00	50.71	Vertical
8605.925000	-63.79	-13.00	50.79	Vertical
62.750000	-77.65	-13.00	64.65	Horizontal
104.300000	-80.79	-13.00	67.79	Horizontal
1259.500000	-62.49	-13.00	49.49	Horizontal
4294.800000	-66.66	-13.00	53.66	Horizontal
5673.125000	-65.06	-13.00	52.06	Horizontal
7947.150000	-63.69	-13.00	50.69	Horizontal

Remark:

- 1) The disturbance above 12.75GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.
- 2) We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



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8. Frequency Stability

8.1. Frequency Vs Voltage

	Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict	
				100RB#0	VH	NT	0.80	0.000430	±2.5	PASS	
			18700	100RB#0	VL	NT	1.80	0.000968	±2.5	PASS	
				100RB#0	VN	NT	-0.50	-0.000269	±2.5	PASS	
				100RB#0	VH	NT	0.00	0.000000	±2.5	PASS	
		QPSK	18900	100RB#0	VL	NT	-0.80	-0.000426	±2.5	PASS	
				100RB#0	VN	NT	0.10	0.000053	±2.5	PASS	
				100RB#0	VH	NT	-1.10	-0.000579	±2.5	PASS	
			19100	100RB#0	VL	NT	-0.60	-0.000316	±2.5	PASS	
				100RB#0	VN	NT	-0.70	-0.000368	±2.5	PASS	
		Hz 16QAM		100RB#0	VH	NT	2.20	0.001183	±2.5	PASS	
			18700	100RB#0	VL	NT	1.20	0.000645	±2.5	PASS	
				100RB#0	VN	NT	0.50	0.000269	±2.5	PASS	
			18900	100RB#0	VH	NT	-0.60	-0.000319	±2.5	PASS	
BAND 2	20MHz			100RB#0	VL	NT	-0.20	-0.000106	±2.5	PASS	
				100RB#0	VN	NT	0.40	0.000213	±2.5	PASS	
			19100	100RB#0	VH	NT	1.30	0.000684	±2.5	PASS	
				100RB#0	VL	NT	0.00	0.000000	±2.5	PASS	
				100RB#0	VN	NT	0.00	0.000000	±2.5	PASS	
			18700	100RB#0	VH	NT	0.30	0.000161	±2.5	PASS	
		64QAM		100RB#0	VL	NT	-0.90	-0.000484	±2.5	PASS	
				100RB#0	VN	NT	-0.20	-0.000108	±2.5	PASS	
				100RB#0	VH	NT	0.00	0.000000	±2.5	PASS	
			18900	100RB#0	VL	NT	-0.50	-0.000266	±2.5	PASS	
				100RB#0	VN	NT	0.40	0.000213	±2.5	PASS	
				100RB#0	VH	NT	-0.10	-0.000053	±2.5	PASS	
			19100	100RB#0	VL	NT	1.00	0.000526	±2.5	PASS	
						100RB#0	VN	NT	1.60	0.000842	±2.5

8.2. Frequency Vs Temperature

Temperature



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BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
				100RB#0	NV	0	0.30	0.000161	±2.5	PASS
			100RB#0	NV	10	1.50	0.000806	±2.5	PASS	
			18700	100RB#0	NV	20	0.30	0.000161	±2.5	PASS
				100RB#0	NV	-20	2.80	0.001505	±2.5	PASS
				100RB#0	NV	-30	1.80	0.000968	±2.5	PASS
				100RB#0	NV	0	0.50	0.000266	±2.5	PASS
				100RB#0	NV	10	1.00	0.000532	±2.5	PASS
		QPSK	18900	100RB#0	NV	20	-1.40	-0.000745	±2.5	PASS
				100RB#0	NV	-20	2.00	0.001064	±2.5	PASS
				100RB#0	NV	-30	0.10	0.000053	±2.5	PASS
				100RB#0	NV	0	-0.30	-0.000158	±2.5	PASS
				100RB#0	NV	10	-0.20	-0.000105	±2.5	PASS
			19100	100RB#0	NV	20	-0.20	-0.000105	±2.5	PASS
				100RB#0	NV	-20	-0.50	-0.000263	±2.5	PASS
				100RB#0	NV	-30	-1.40	-0.000737	±2.5	PASS
		16QAM	18700	100RB#0	NV	0	2.40	0.001290	±2.5	PASS
				100RB#0	NV	10	0.40	0.000215	±2.5	PASS
DANDO	201411-			100RB#0	NV	20	0.20	0.000108	±2.5	PASS
BAND 2	20MHz			100RB#0	NV	-20	0.70	0.000376	±2.5	PASS
				100RB#0	NV	-30	0.70	0.000376	±2.5	PASS
			18900	100RB#0	NV	0	2.00	0.001064	±2.5	PASS
				100RB#0	NV	10	-0.40	-0.000213	±2.5	PASS
				100RB#0	NV	20	-2.00	-0.001064	±2.5	PASS
				100RB#0	NV	-20	-1.60	-0.000851	±2.5	PASS
				100RB#0	NV	-30	0.10	0.000053	±2.5	PASS
			19100	100RB#0	NV	0	1.10	0.000579	±2.5	PASS
				100RB#0	NV	10	1.90	0.001000	±2.5	PASS
				100RB#0	NV	20	0.90	0.000474	±2.5	PASS
				100RB#0	NV	-20	0.90	0.000474	±2.5	PASS
				100RB#0	NV	-30	0.10	0.000053	±2.5	PASS
				100RB#0	NV	0	1.60	0.000851	±2.5	PASS
				100RB#0	NV	10	0.50	0.000269	±2.5	PASS
		C40 A B 4	18700	100RB#0	NV	20	-0.30	-0.000158	±2.5	PASS
		64QAM		100RB#0	NV	-20	4.10	0.001633	±2.5	PASS
				100RB#0	NV	-30	1.80	0.000968	±2.5	PASS
			18900	100RB#0	NV	0	0.40	0.000213	±2.5	PASS



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					1		
	100RB#0	NV	10	1.20	0.000638	±2.5	PASS
	100RB#0	NV	20	1.00	0.000532	±2.5	PASS
	100RB#0	NV	-20	1.60	0.000851	±2.5	PASS
	100RB#0	NV	-30	0.90	0.000479	±2.5	PASS
	100RB#0	NV	0	0.00	0.000000	±2.5	PASS
	100RB#0	NV	10	0.10	0.000053	±2.5	PASS
19100	100RB#0	NV	20	1.40	0.000737	±2.5	PASS
	100RB#0	NV	-20	0.90	0.000474	±2.5	PASS
	100RB#0	NV	-30	-1.30	-0.000684	±2.5	PASS

The End



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