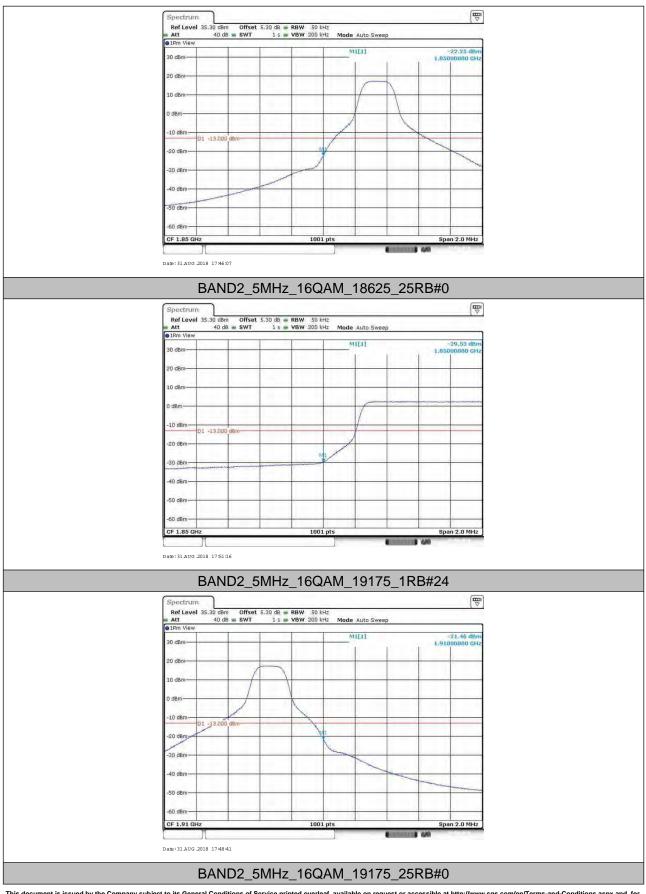
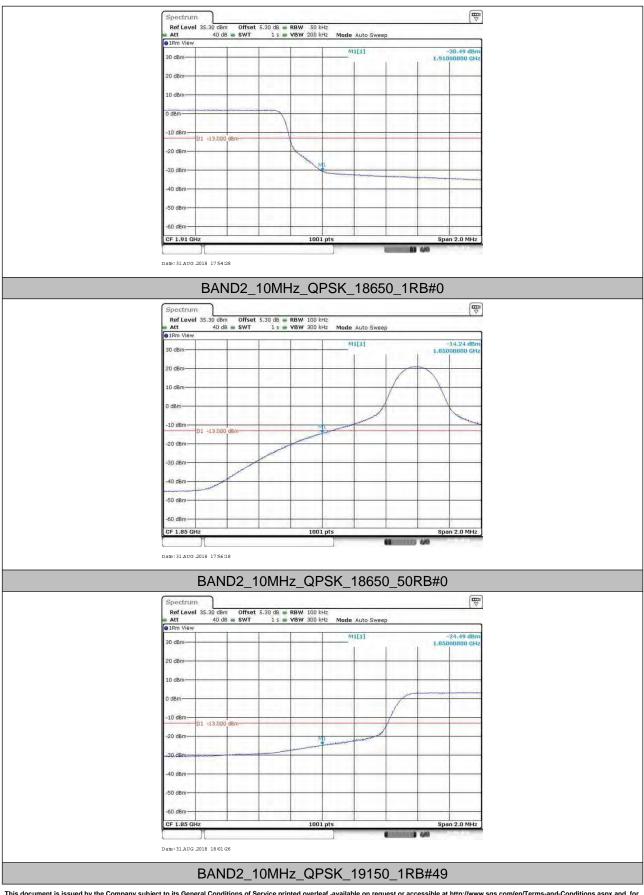


Report No.: SZEM180500437001 Page: 51 of 100



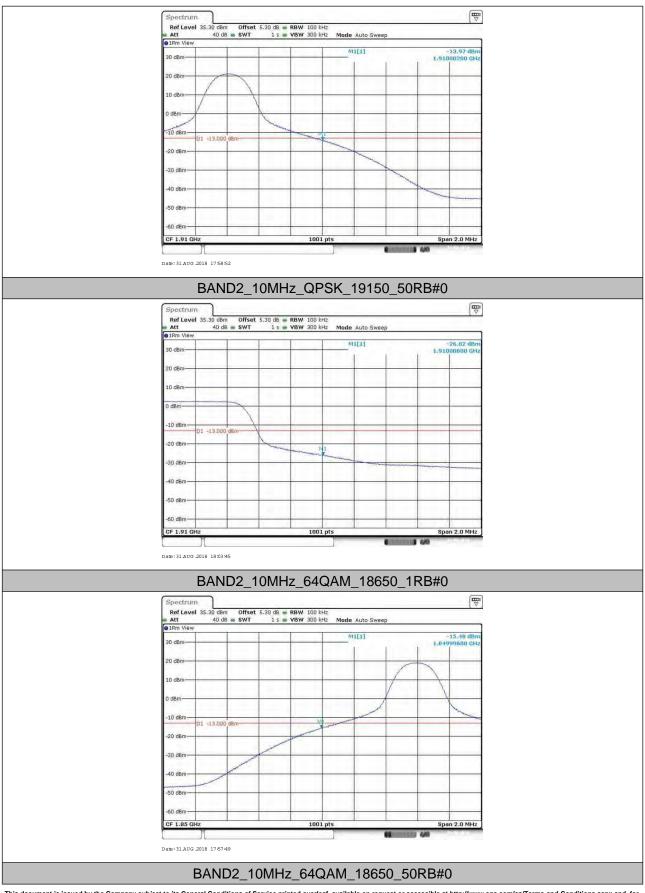


Report No.: SZEM180500437001 Page: 52 of 100



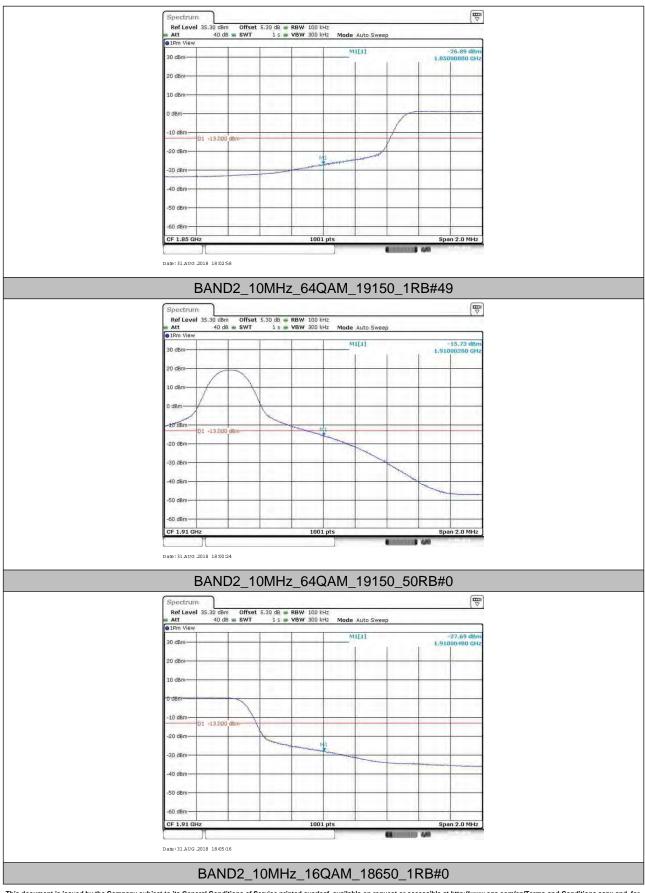


Report No.: SZEM180500437001 Page: 53 of 100



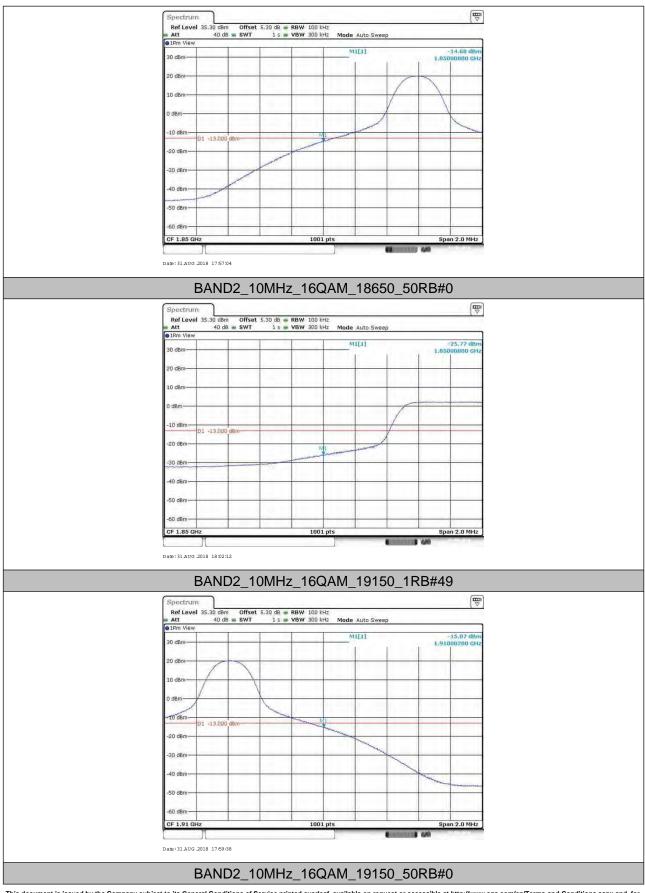


Report No.: SZEM180500437001 Page: 54 of 100



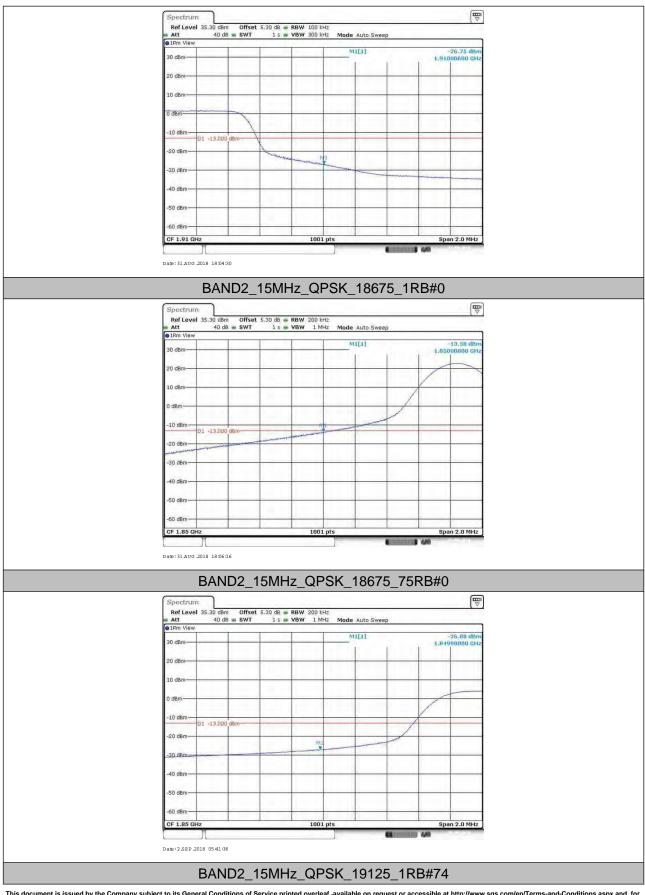


Report No.: SZEM180500437001 Page: 55 of 100



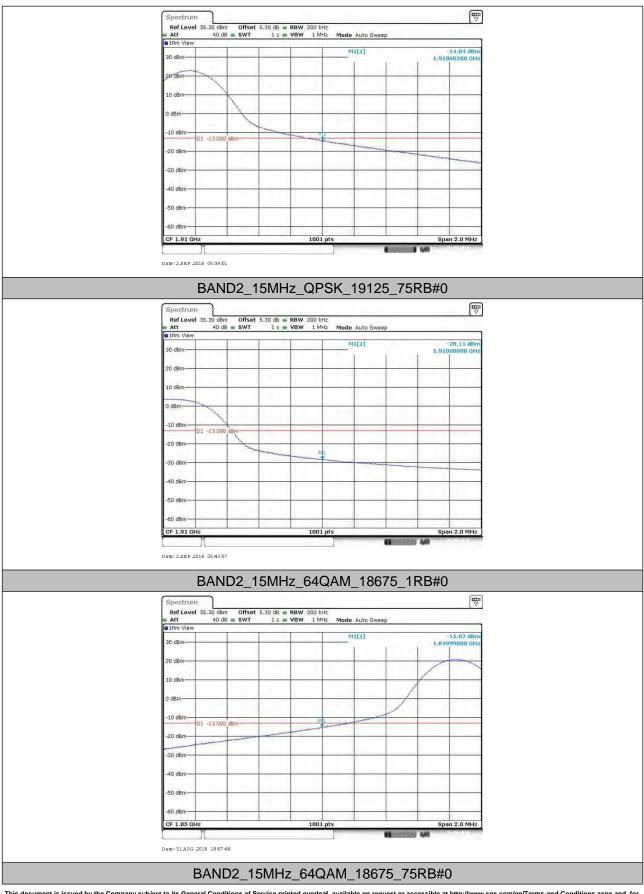


Report No.: SZEM180500437001 Page: 56 of 100



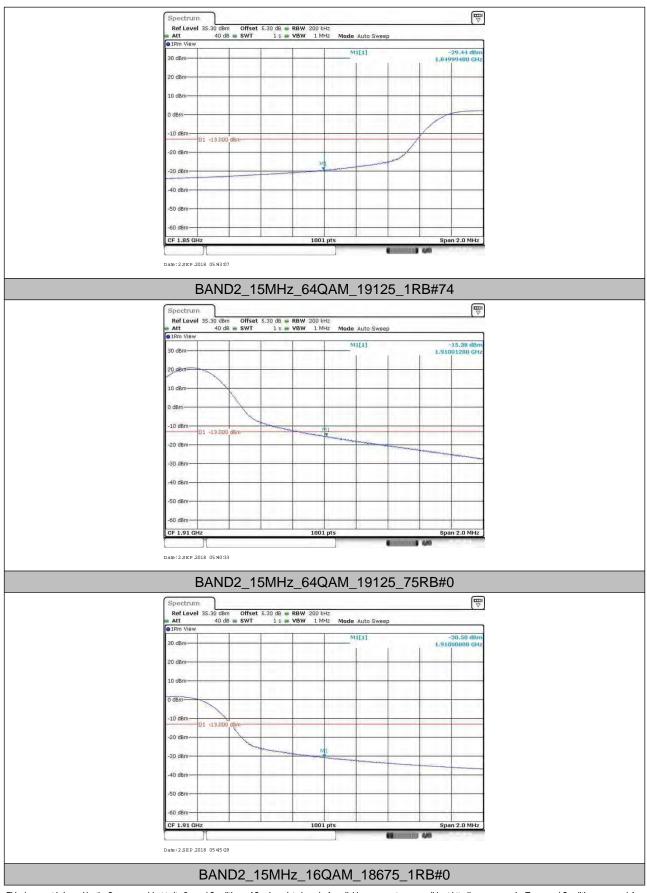


Report No.: SZEM180500437001 Page: 57 of 100



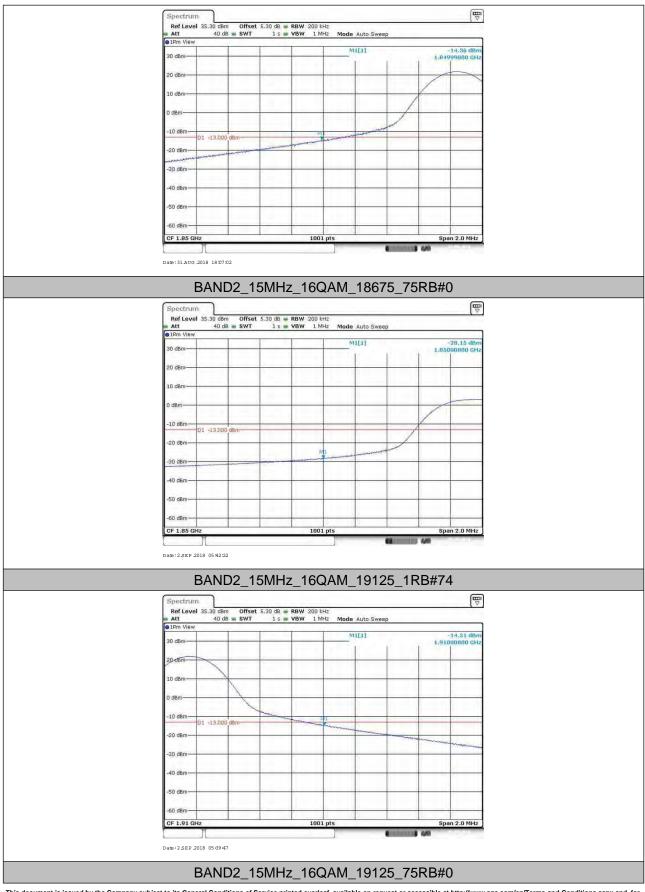


Report No.: SZEM180500437001 Page: 58 of 100



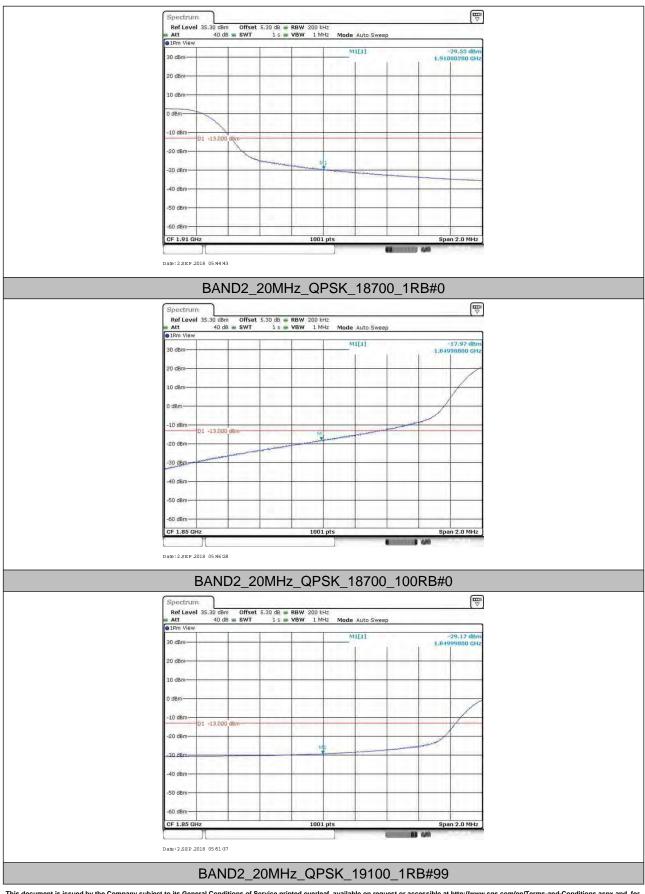


Report No.: SZEM180500437001 Page: 59 of 100



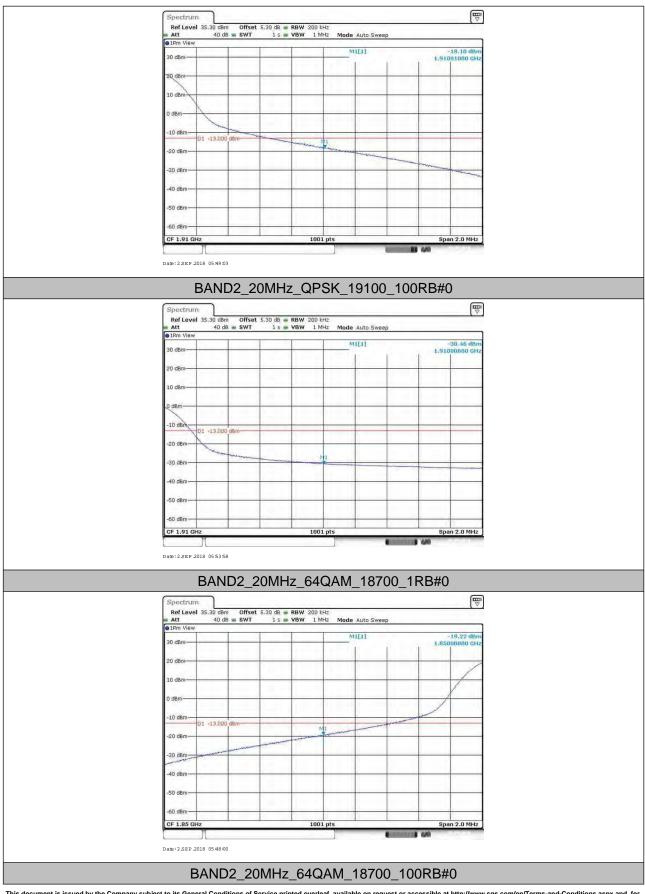


Report No.: SZEM180500437001 Page: 60 of 100



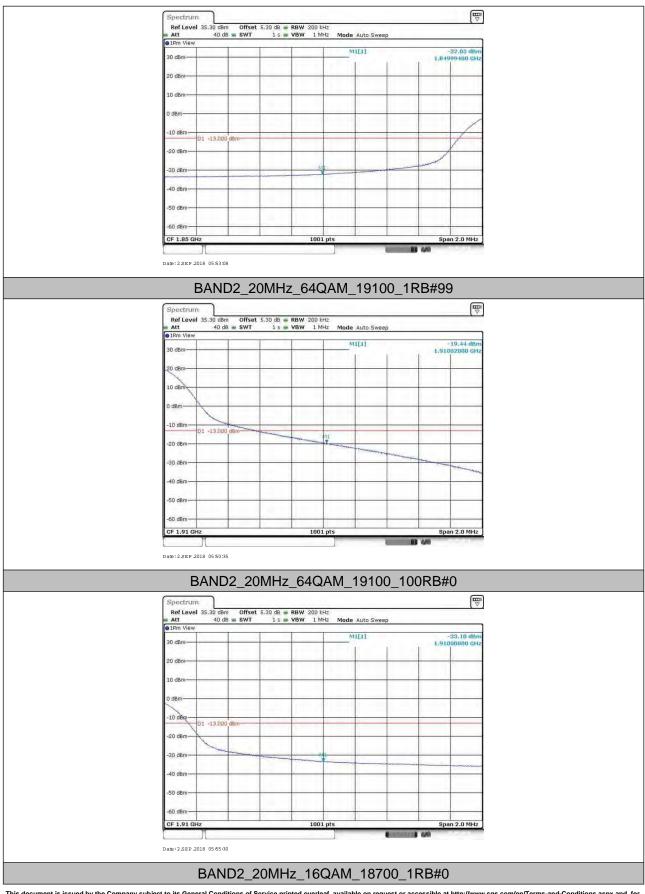


Report No.: SZEM180500437001 Page: 61 of 100



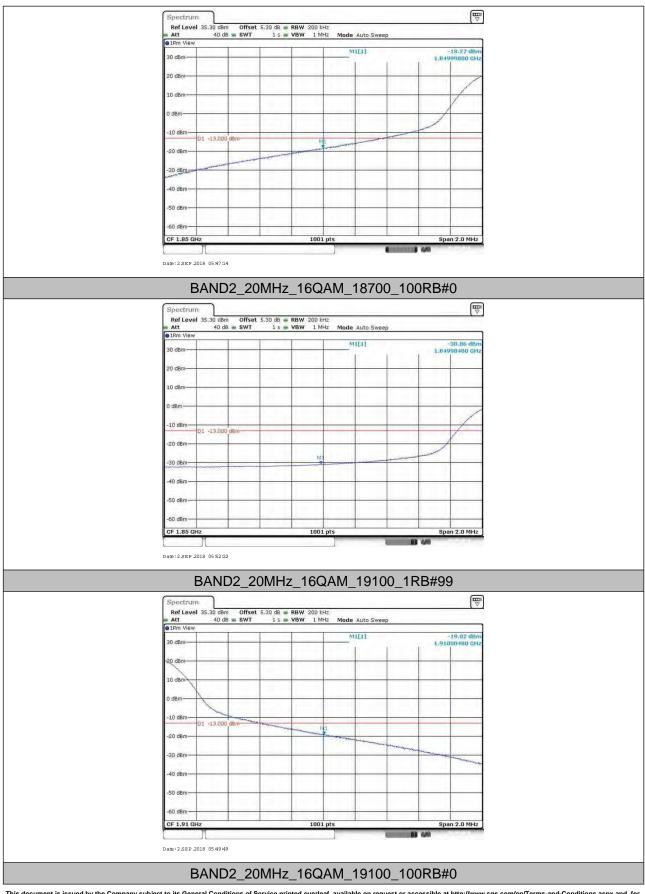


Report No.: SZEM180500437001 Page: 62 of 100



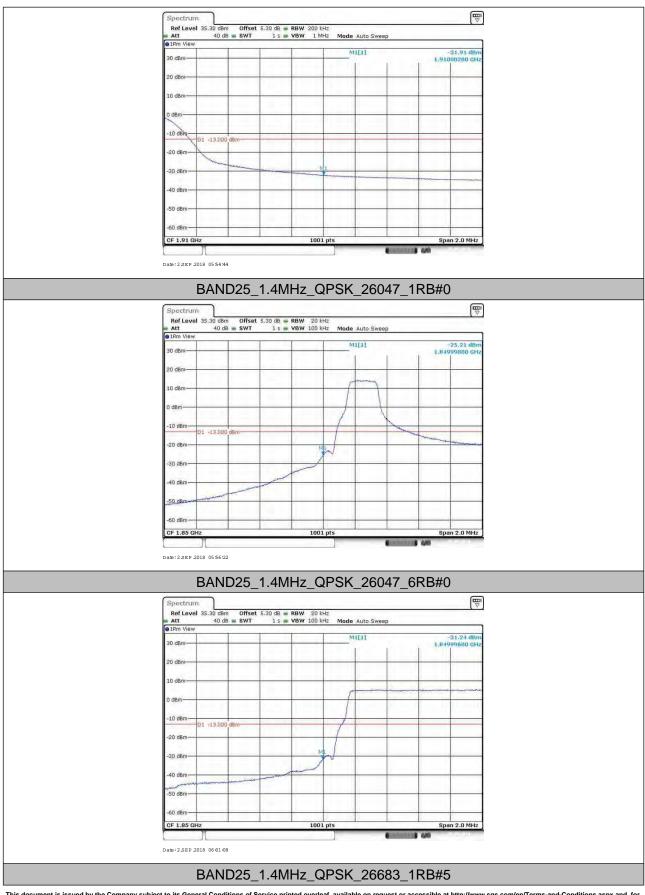


Report No.: SZEM180500437001 Page: 63 of 100



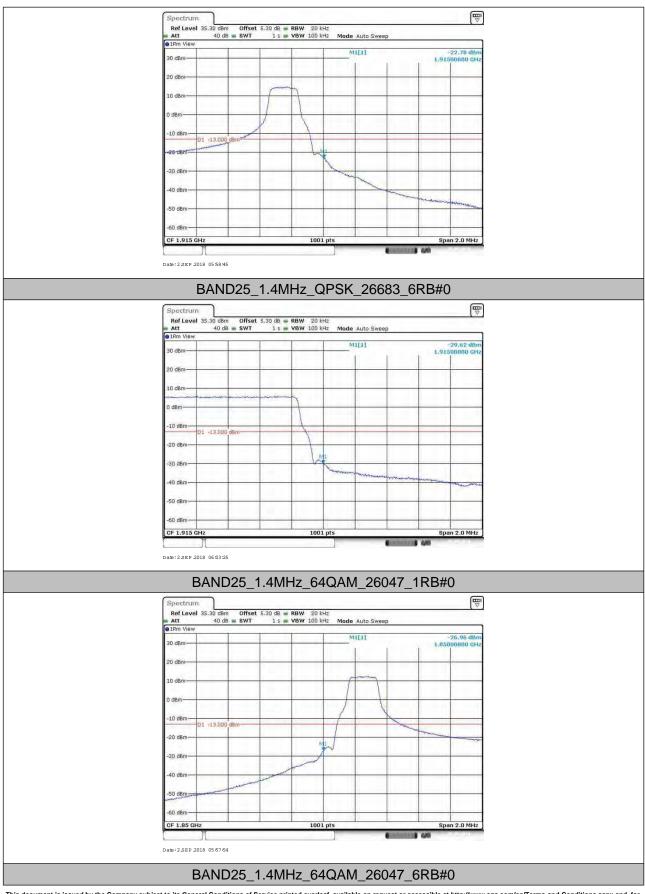


Report No.: SZEM180500437001 Page: 64 of 100



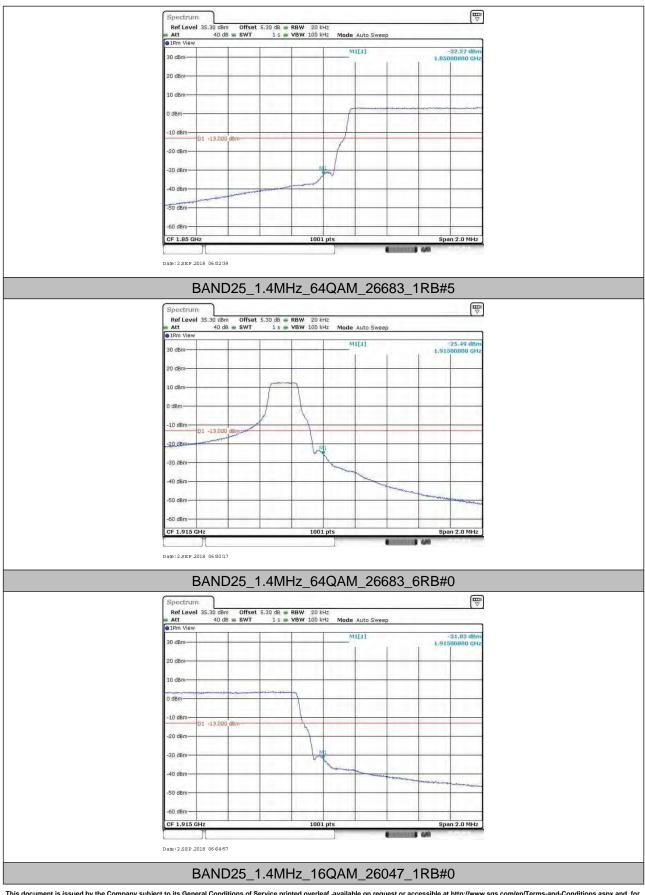


Report No.: SZEM180500437001 Page: 65 of 100



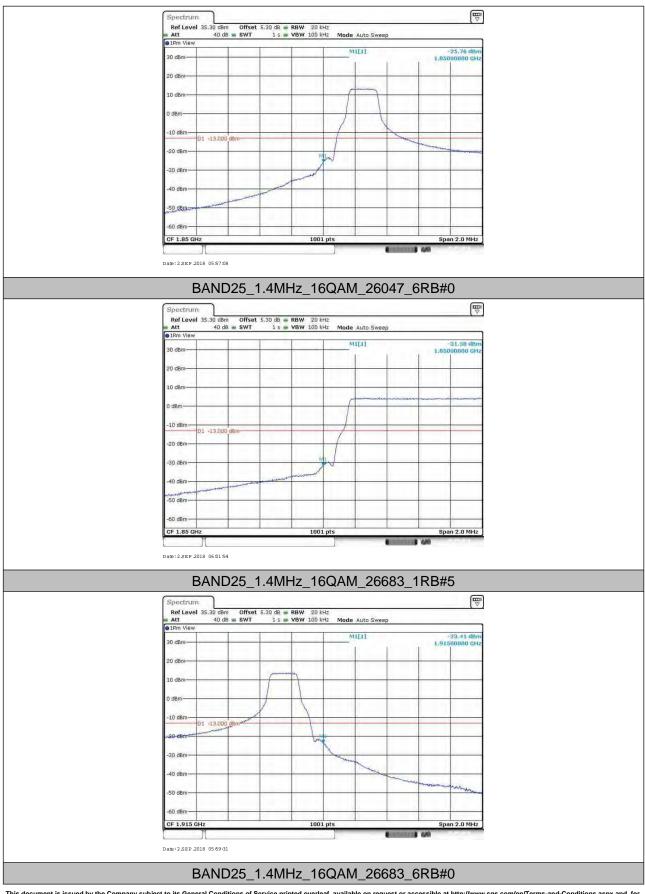


Report No.: SZEM180500437001 Page: 66 of 100



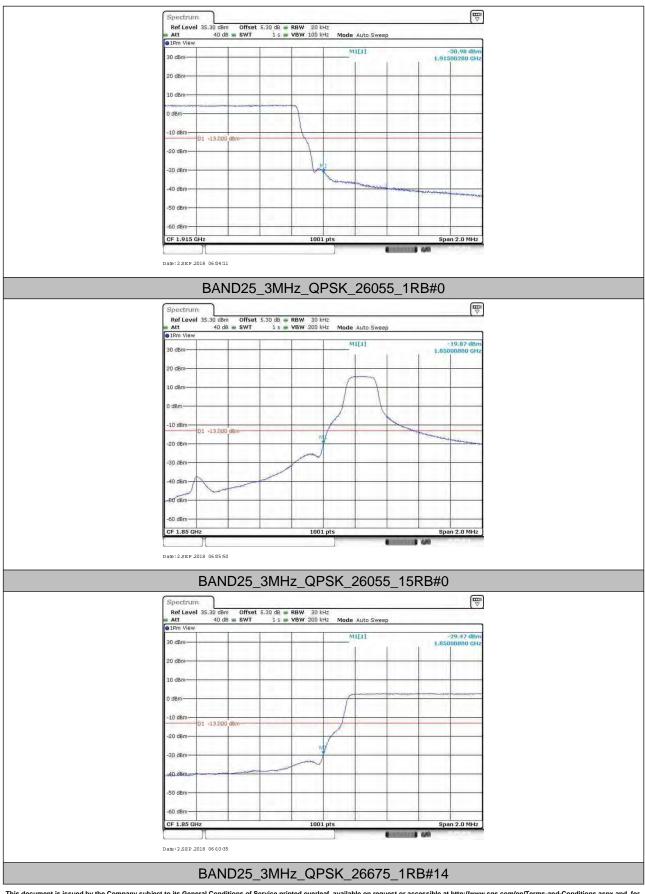


Report No.: SZEM180500437001 Page: 67 of 100



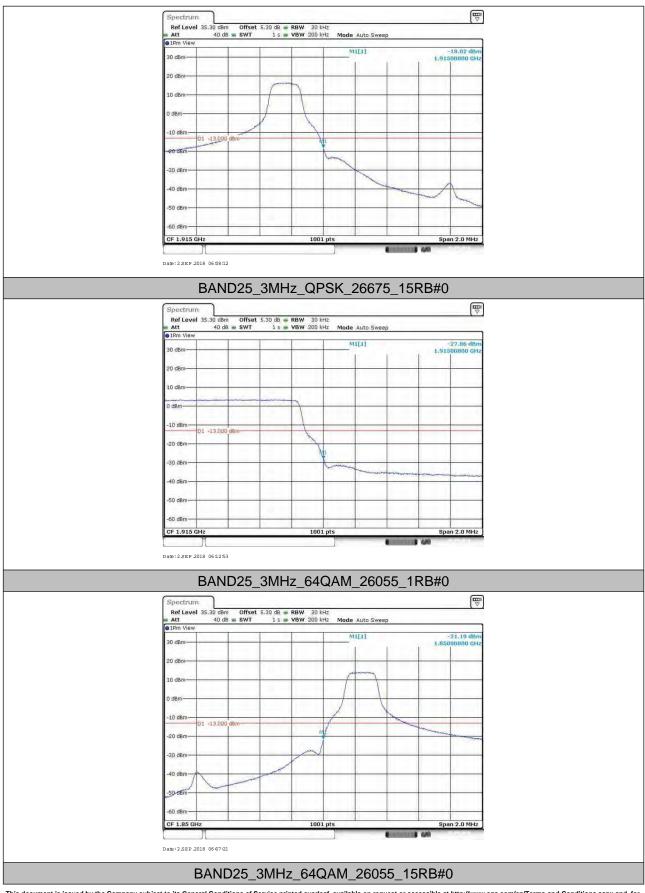


Report No.: SZEM180500437001 Page: 68 of 100



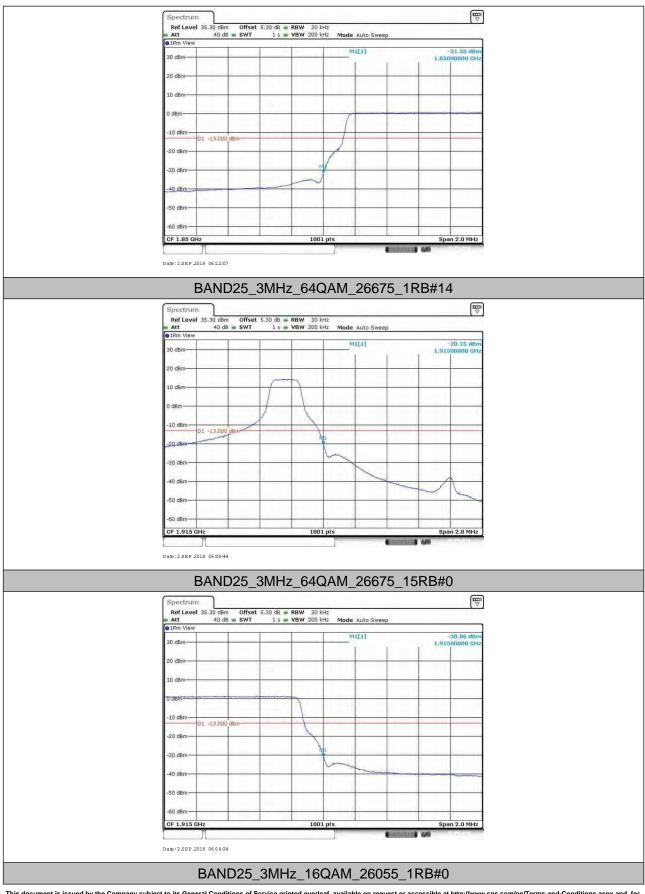


Report No.: SZEM180500437001 Page: 69 of 100



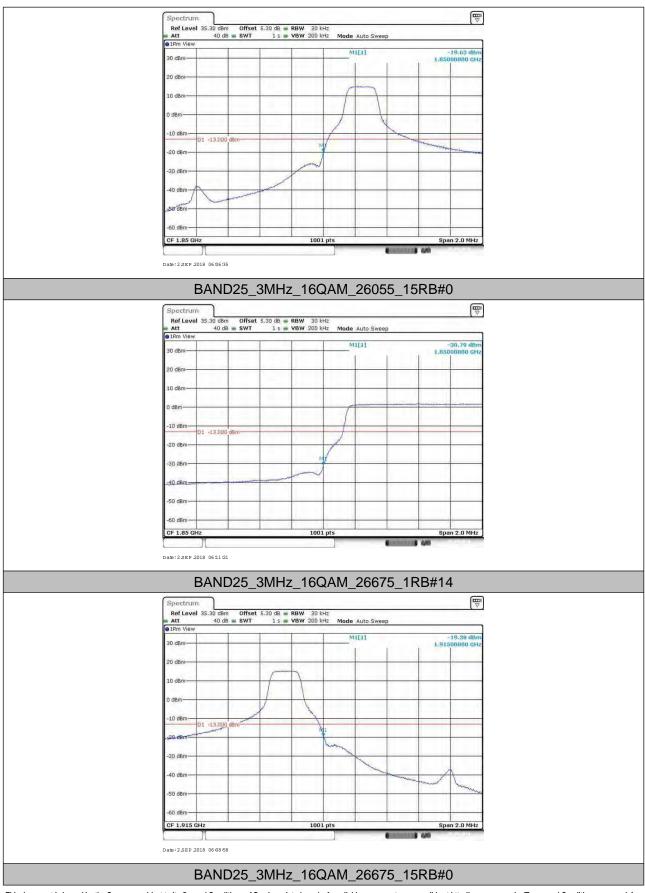


Report No.: SZEM180500437001 Page: 70 of 100



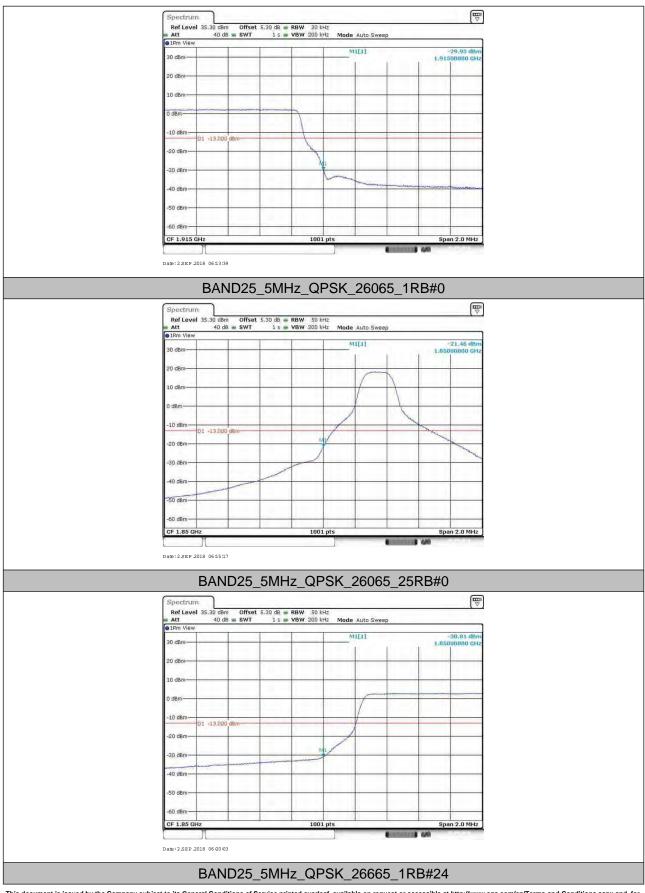


Report No.: SZEM180500437001 Page: 71 of 100



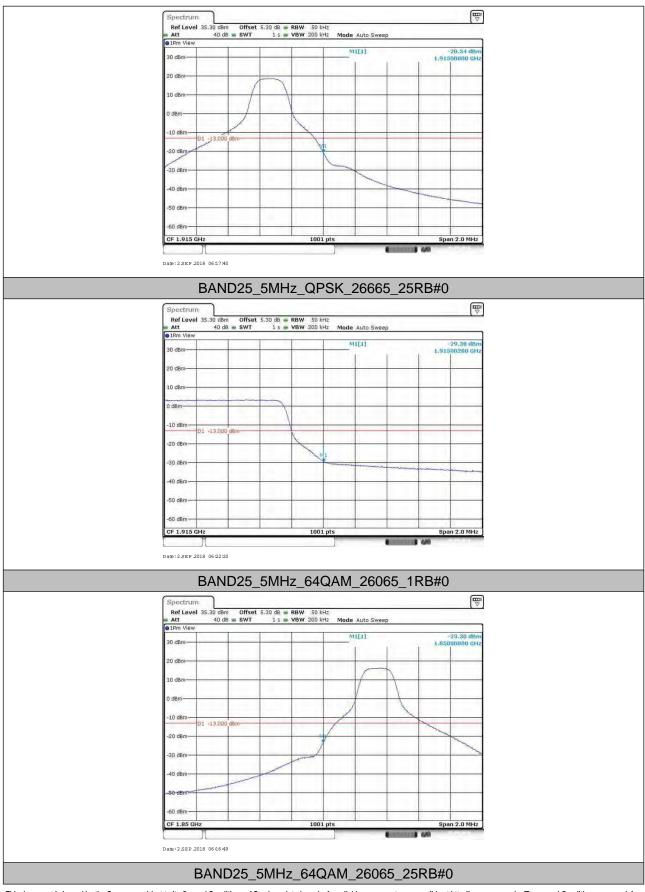


Report No.: SZEM180500437001 Page: 72 of 100



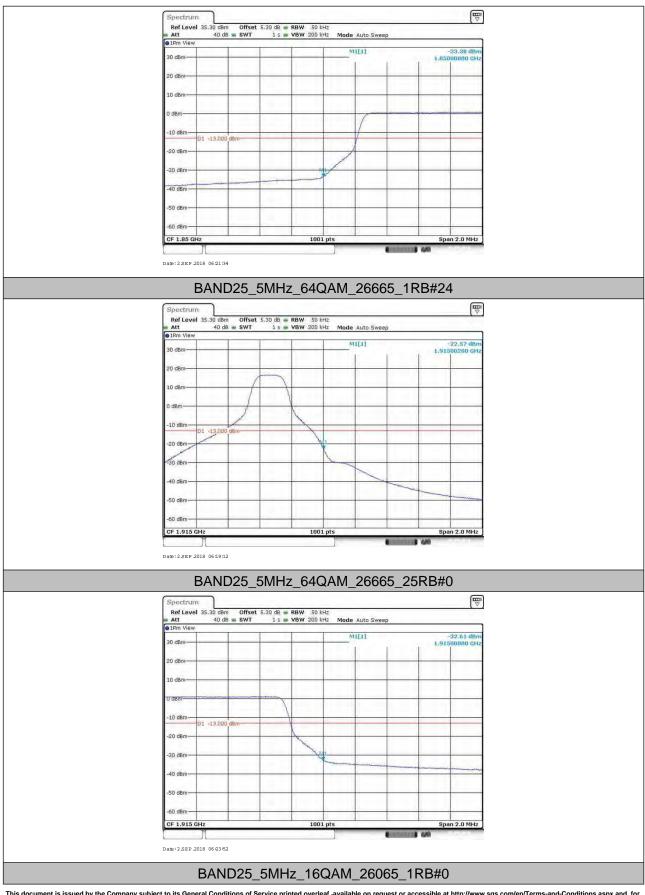


Report No.: SZEM180500437001 Page: 73 of 100



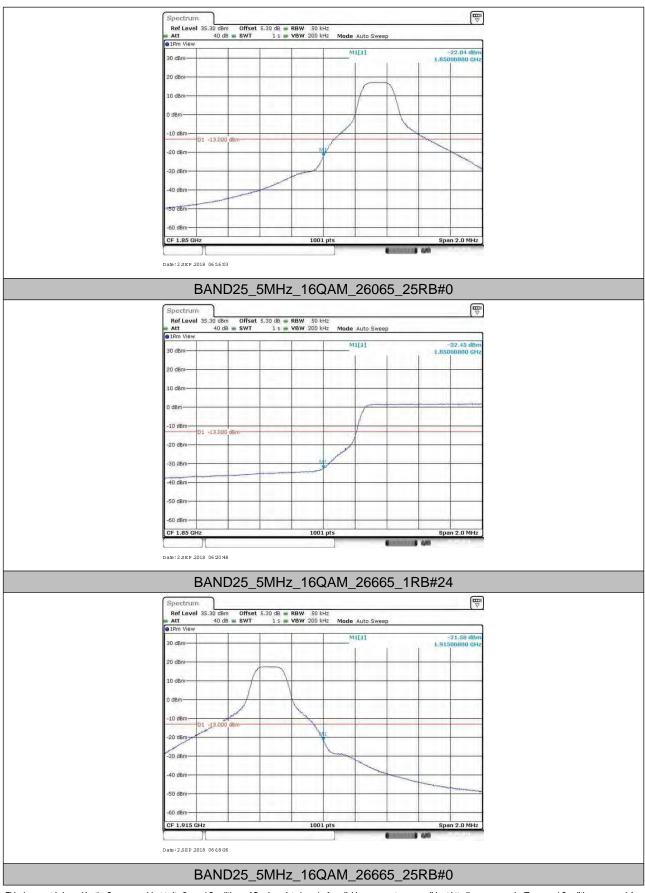


Report No.: SZEM180500437001 Page: 74 of 100



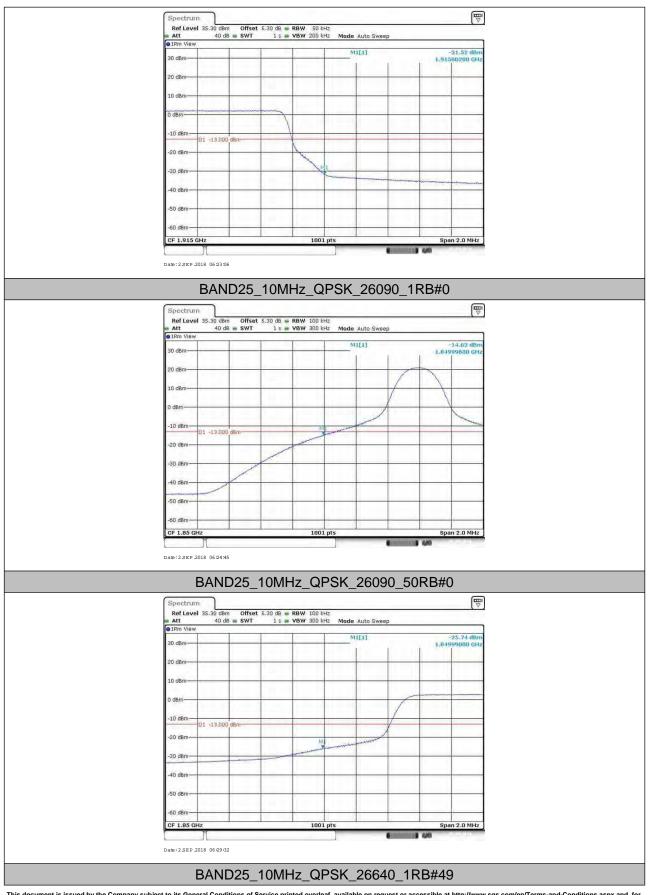


Report No.: SZEM180500437001 Page: 75 of 100



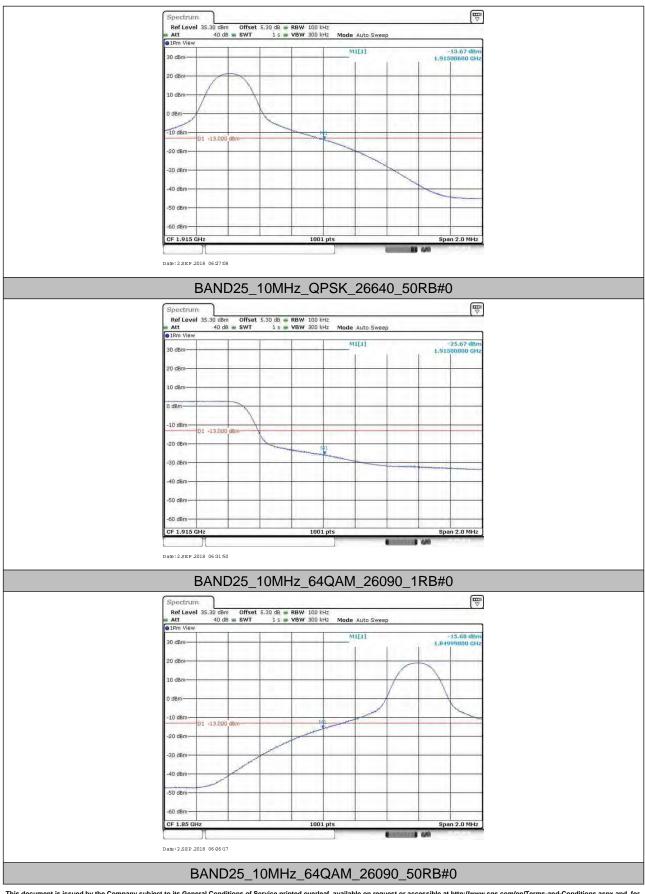


Report No.: SZEM180500437001 Page: 76 of 100



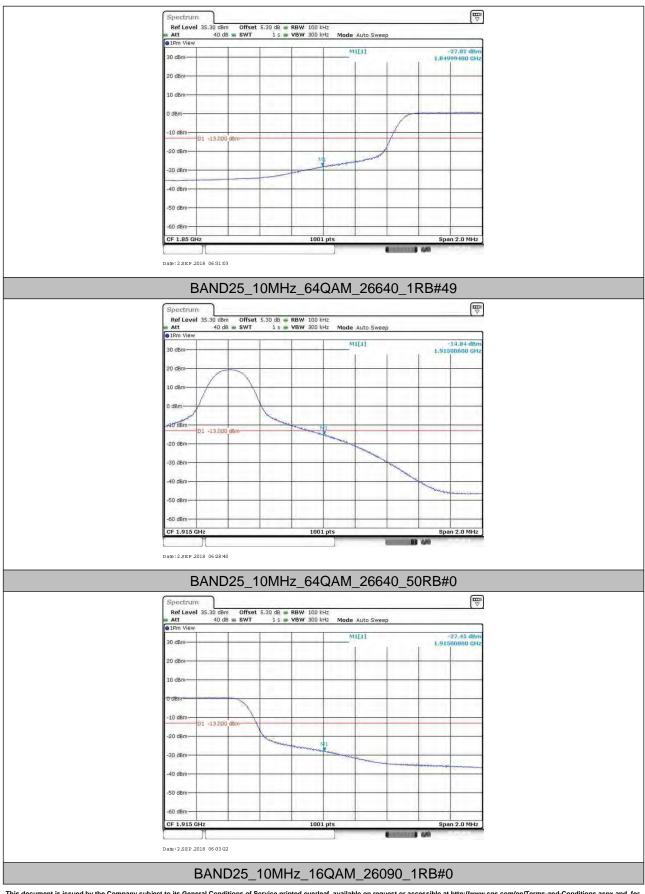


Report No.: SZEM180500437001 Page: 77 of 100



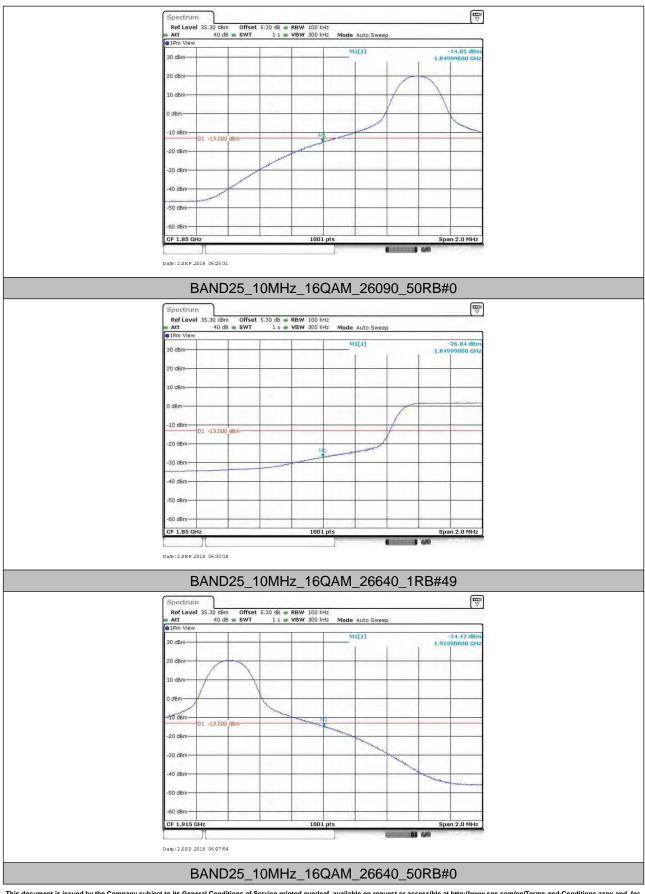


Report No.: SZEM180500437001 Page: 78 of 100



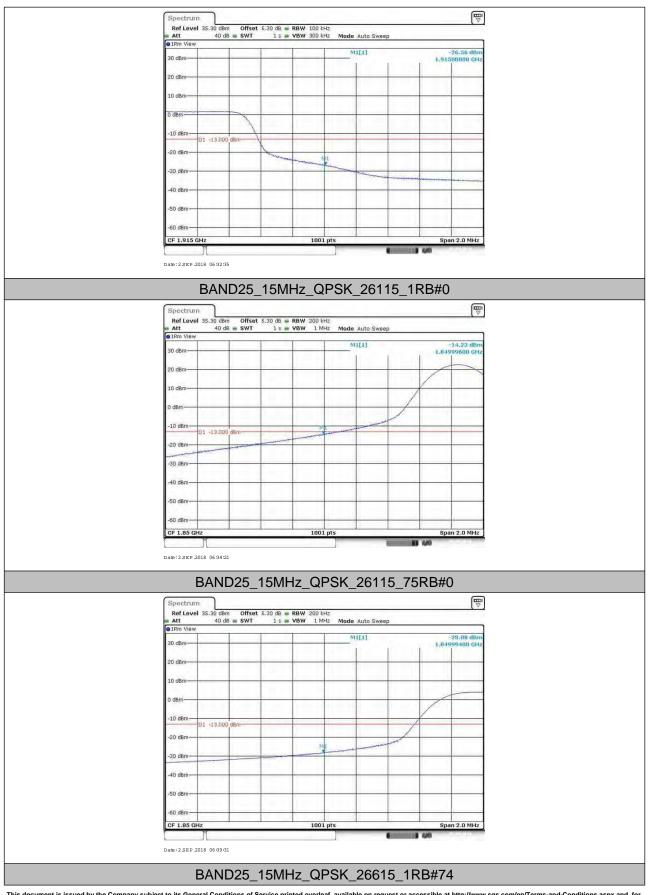


Report No.: SZEM180500437001 Page: 79 of 100



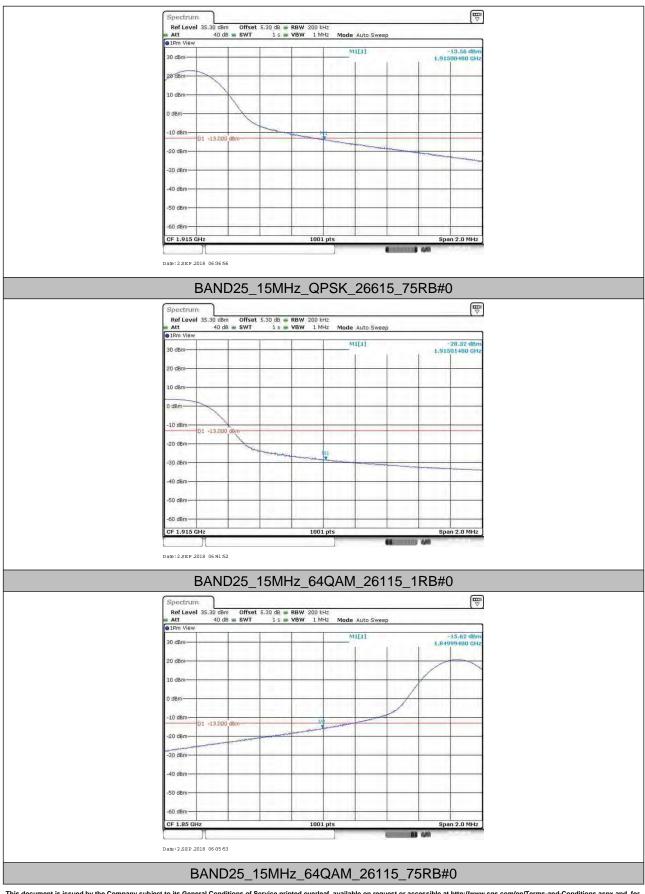


Report No.: SZEM180500437001 Page: 80 of 100



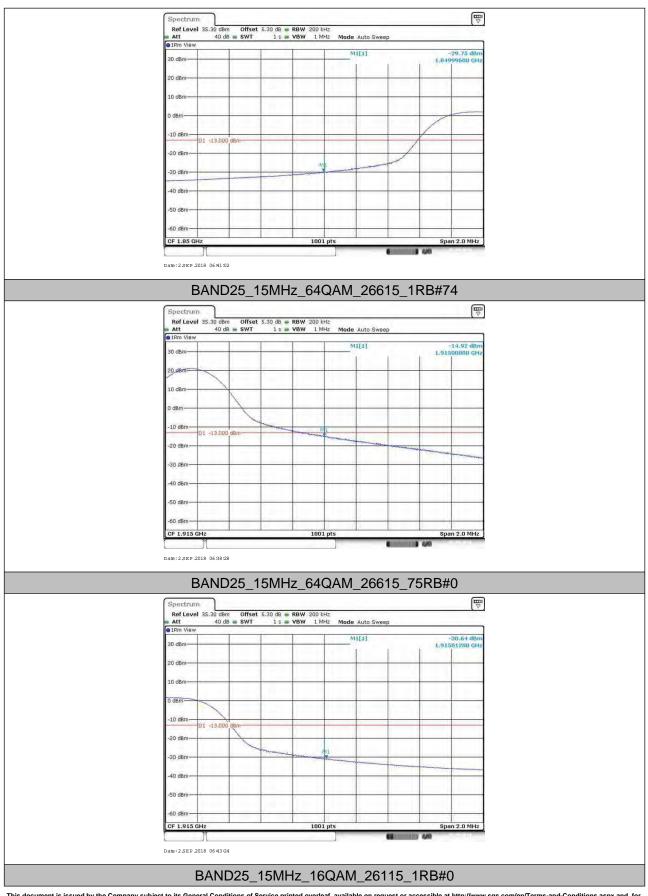


Report No.: SZEM180500437001 Page: 81 of 100



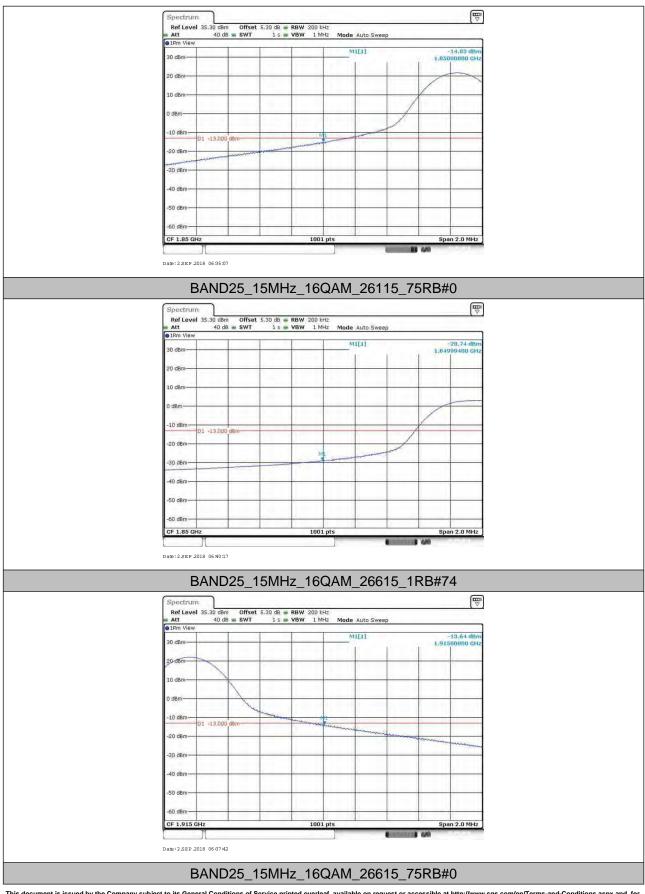


Report No.: SZEM180500437001 Page: 82 of 100



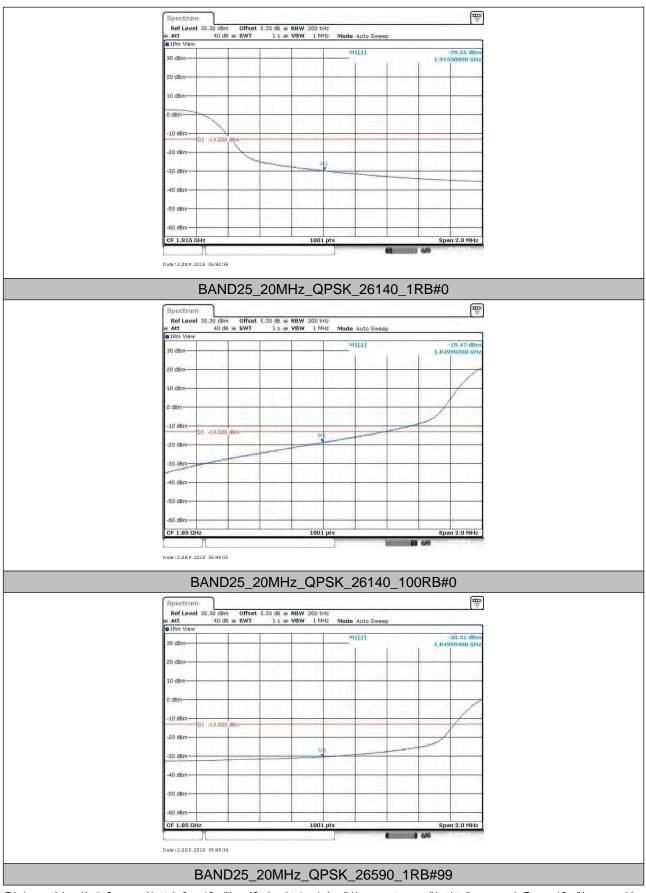


Report No.: SZEM180500437001 Page: 83 of 100



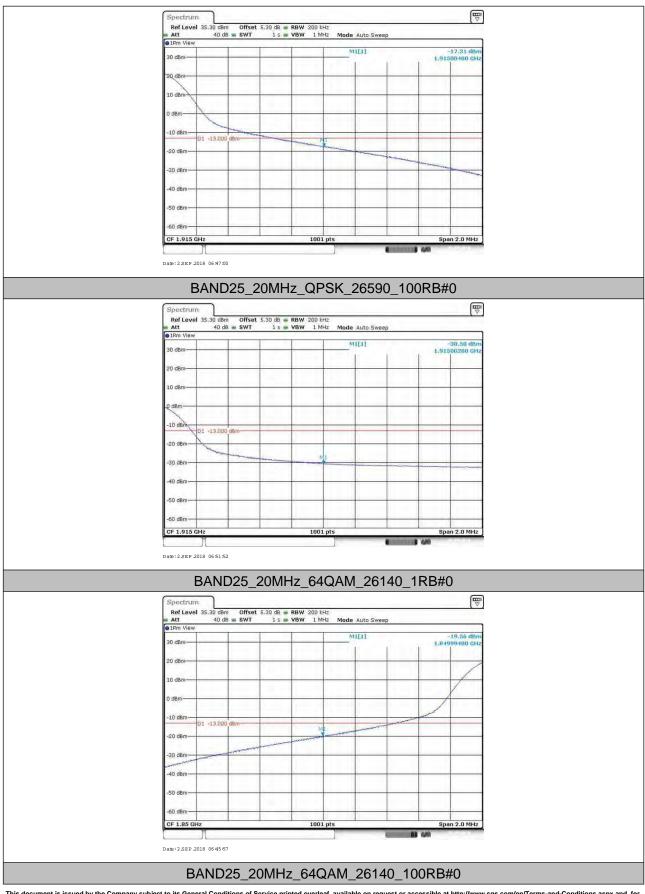


Report No.: SZEM180500437001 Page: 84 of 100



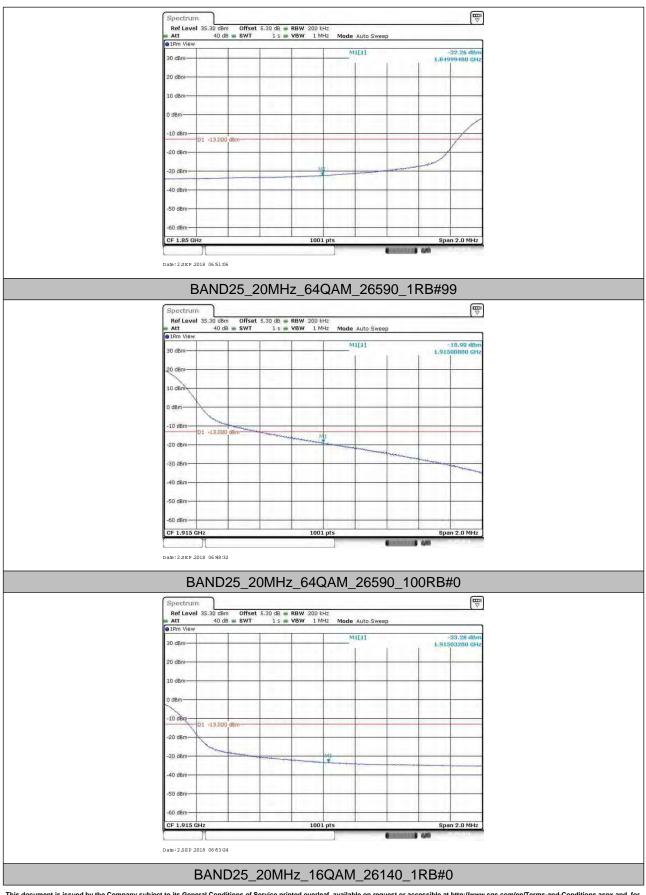


Report No.: SZEM180500437001 Page: 85 of 100



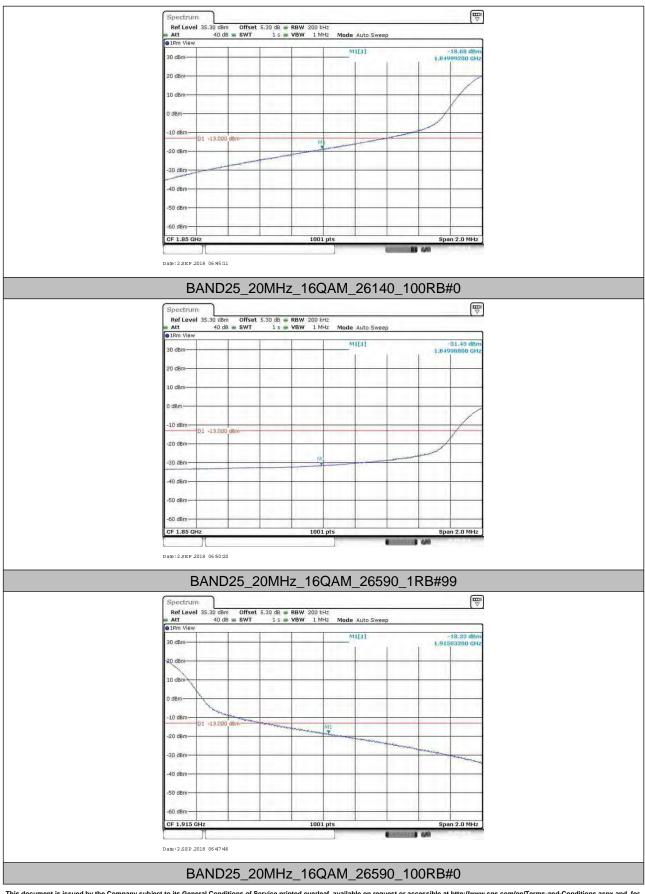


Report No.: SZEM180500437001 Page: 86 of 100



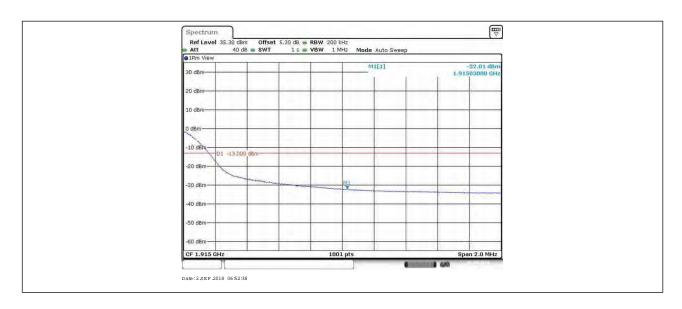


Report No.: SZEM180500437001 Page: 87 of 100





Report No.: SZEM180500437001 Page: 88 of 100



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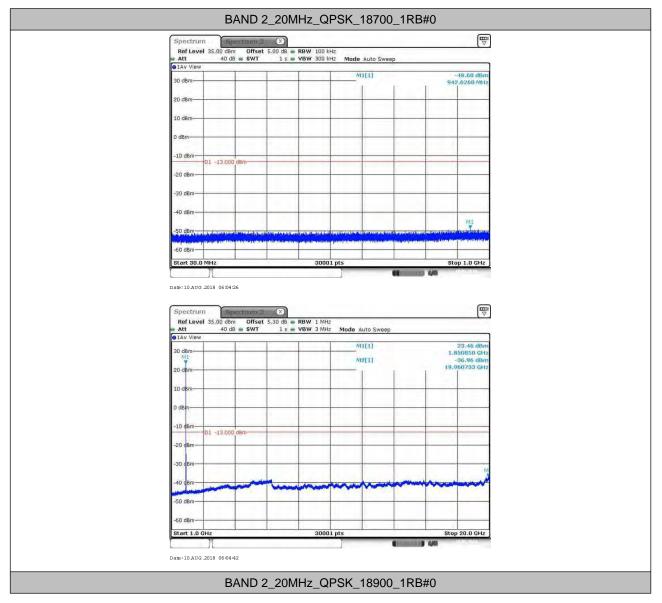


Report No.: SZEM180500437001 Page: 89 of 100

6. Spurious Emission at Antenna Terminal

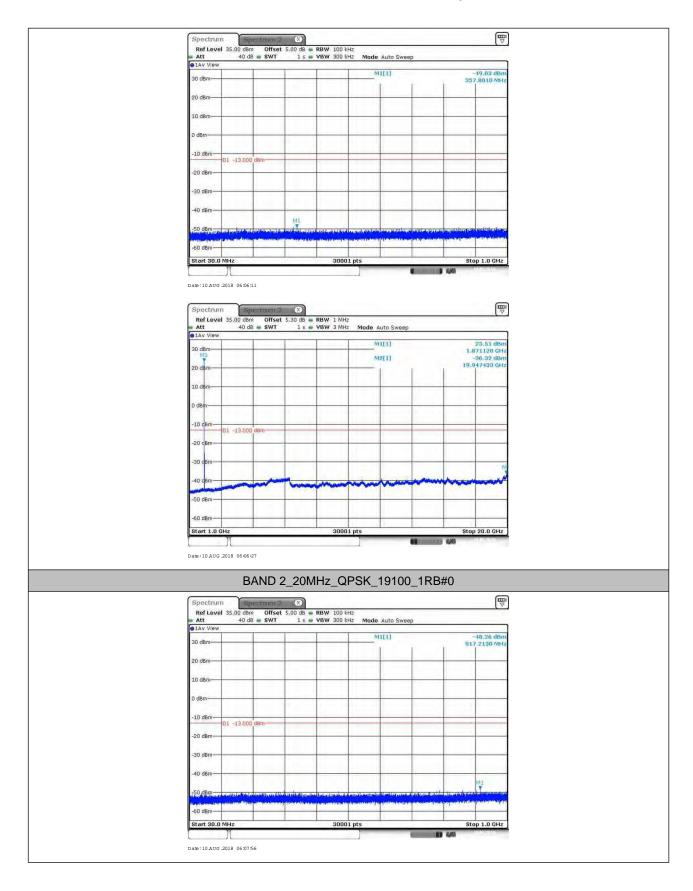
NOTE1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB. NOTE2: only the worst case data displayed in this report.

5.1.Test Plots



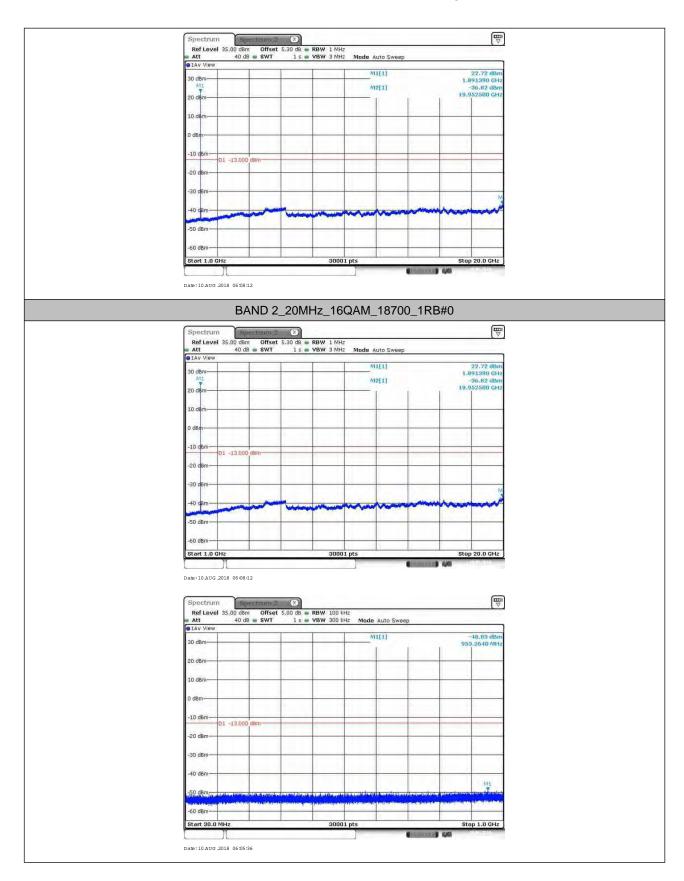


Report No.: SZEM180500437001 Page: 90 of 100



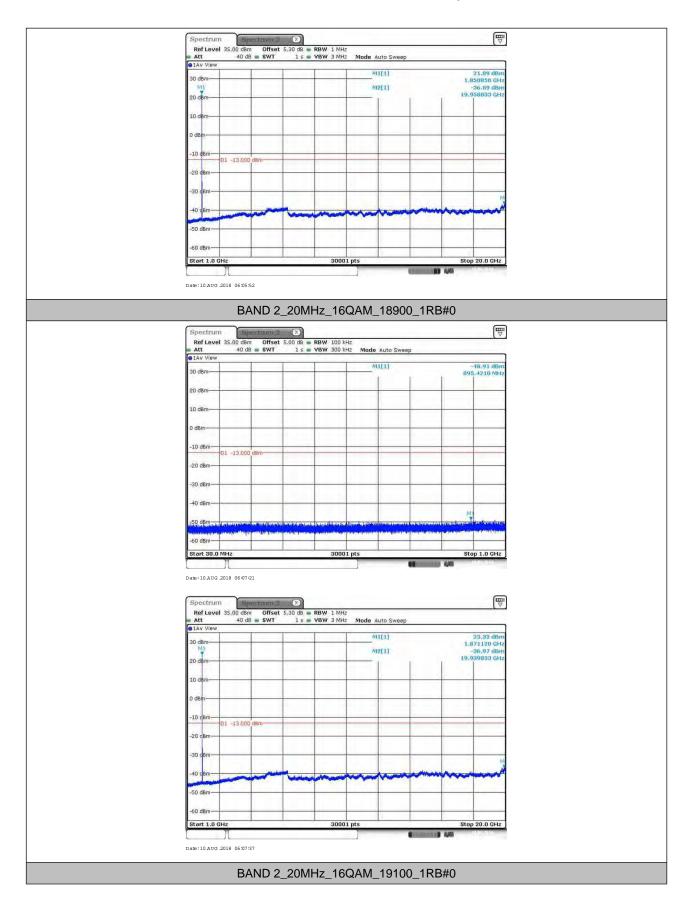


Report No.: SZEM180500437001 Page: 91 of 100



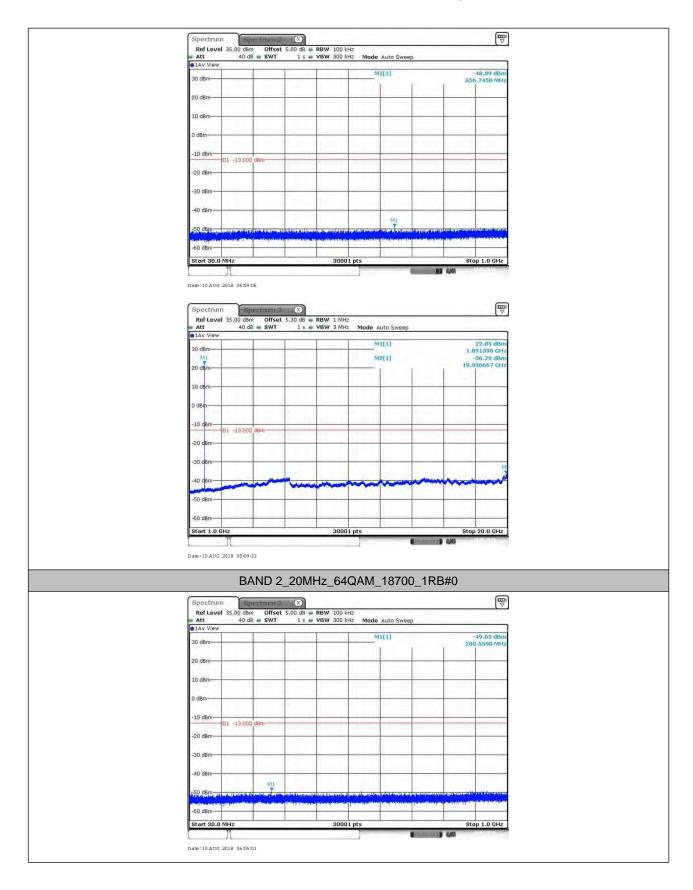


Report No.: SZEM180500437001 Page: 92 of 100



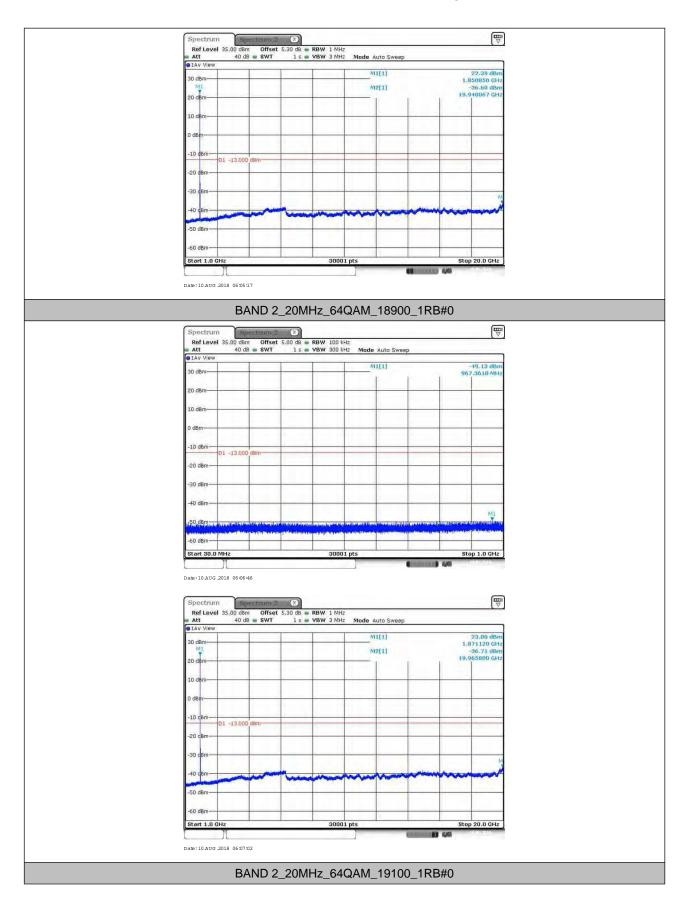


Report No.: SZEM180500437001 Page: 93 of 100



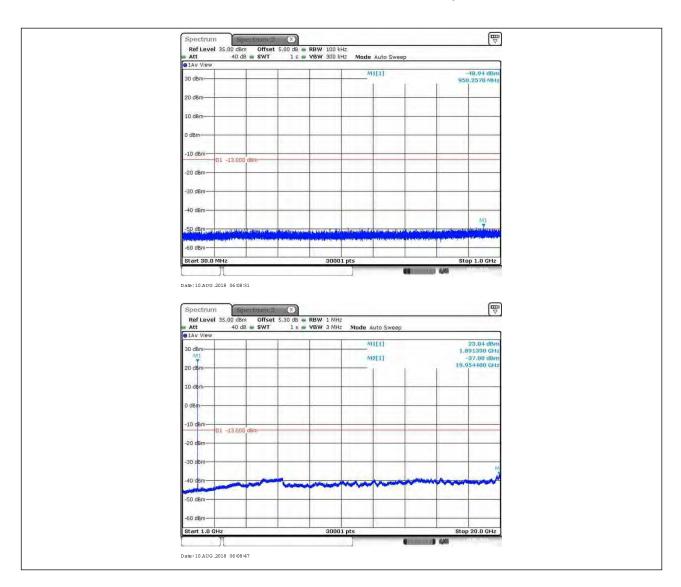


Report No.: SZEM180500437001 Page: 94 of 100





Report No.: SZEM180500437001 Page: 95 of 100





Report No.: SZEM180500437001 Page: 96 of 100

7. Field Strength of Spurious Radiation

6.1.Test BAND = LTE BAND 2

6.1.1. Test Mode =LTE/TM1 20MHz

6.1.1.1. 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

6.1.1.2. 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



Report No.: SZEM180500437001 Page: 97 of 100

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

6.1.1.3. Test Channel = HCH

NOTE:

- All modes are tested, but the data presented above is the worst case.the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 2) We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



Report No.: SZEM180500437001 Page: 98 of 100

8. Frequency Stability

7.1. Frequency Vs Voltage

					Voltage					
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltag e [Vdc]	Temperatur e (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdic t
				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
				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
				100RB#0	VH	NT	-0.60	-0.000319	±2.5	PASS
BAND 2 20MHz	16QAM	18900	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
				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
		64QAM	64QAM 18900	100RB#0	VL	NT	-0.50	-0.000266	±2.5	PASS
				100RB#0	VN	NT	0.40	0.000213	±2.5	PASS
			19100	100RB#0	VH	NT	-0.10	-0.000053	±2.5	PASS
				100RB#0	VL	NT	1.00	0.000526	±2.5	PASS
				100RB#0	VN	NT	1.60	0.000842	±2.5	PASS



Report No.: SZEM180500437001 Page: 99 of 100

7.2. Frequency Vs Temperature

	Temperature									
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltag e [Vdc]	Temperatur e (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdic t
				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
BAND 2	20MHz			100RB#0	NV	20	0.20	0.000108	±2.5	PASS
				100RB#0	NV	-20	0.70	0.000376	±2.5	PASS
				100RB#0	NV	-30	0.70	0.000376	±2.5	PASS
				100RB#0	NV	0	2.00	0.001064	±2.5	PASS
				100RB#0	NV	10	-0.40	-0.000213	±2.5	PASS
			18900	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
				100RB#0	NV	0	1.10	0.000579	±2.5	PASS
				100RB#0	NV	10	1.90	0.001000	±2.5	PASS
			19100	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
			4QAM 18700	100RB#0	NV	0	1.60	0.000851	±2.5	PASS
				100RB#0	NV	10	0.50	0.000269	±2.5	PASS
		64QAM		100RB#0	NV	20	-0.30	-0.000158	±2.5	PASS
				100RB#0	NV	-20	4.10	0.001633	±2.5	PASS
				100RB#0	NV	-30	1.80	0.000968	±2.5	PASS



Report No.: SZEM180500437001 Page: 100 of 100

							-	
		100RB#0	NV	0	0.40	0.000213	±2.5	PASS
		100RB#0	NV	10	1.20	0.000638	±2.5	PASS
	18900	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
	19100	100RB#0	NV	0	0.00	0.000000	±2.5	PASS
		100RB#0	NV	10	0.10	0.000053	±2.5	PASS
		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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