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**F1.CONDUCTED OUTPUT POWER**

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.03	23.12	23.22
1.4	1	2		22.80	22.85	22.92
1.4	1	5		22.51	22.62	22.66
1.4	3	0		22.31	22.41	22.39
1.4	3	1		22.02	22.11	22.16
1.4	3	2		21.73	21.85	21.95
1.4	6	0		21.46	21.62	21.73
1.4	1	0	16-QAM	22.74	22.85	23.00
1.4	1	2		22.46	22.61	22.72
1.4	1	5		22.23	22.34	22.44
1.4	3	0		22.01	22.09	22.19
1.4	3	1		21.75	21.88	21.91
1.4	3	2		21.47	21.64	21.64
1.4	6	0		21.20	21.43	21.39
3	1	0	QPSK	23.23	23.35	23.42
3	1	7		22.99	23.08	23.16
3	1	14		22.70	22.80	22.90
3	8	0		22.43	22.57	22.65
3	8	4		22.20	22.35	22.42
3	8	7		22.00	22.11	22.13
3	15	0		21.76	21.81	21.86
3	1	0	16-QAM	23.01	23.06	23.22
3	1	7		22.71	22.84	22.99
3	1	14		22.47	22.60	22.77
3	8	0		22.27	22.31	22.49
3	8	4		22.00	22.10	22.23
3	8	7		21.73	21.88	22.01
3	15	0		21.45	21.62	21.80



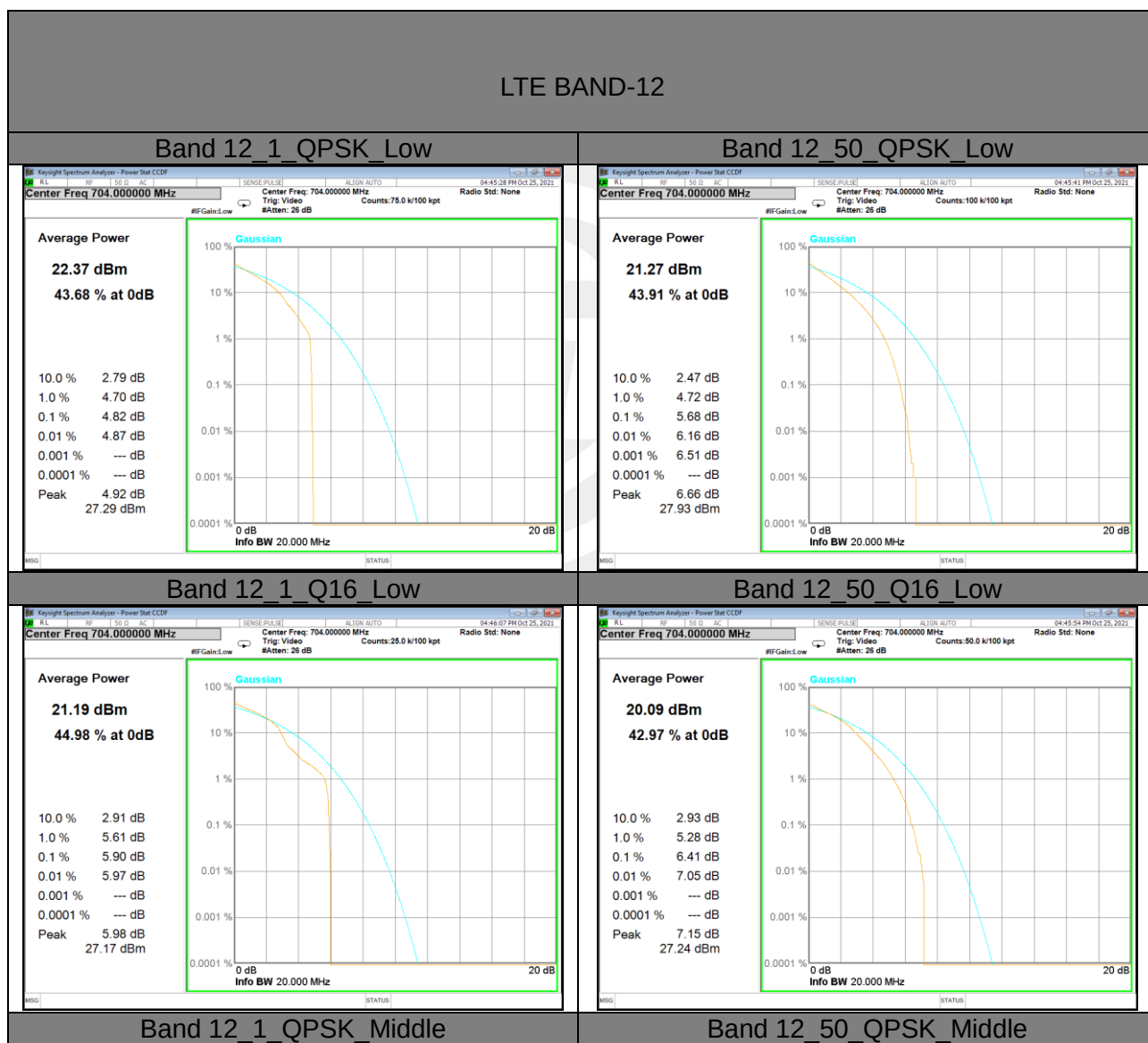
LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.42	23.51	23.66
5	1	12		23.16	23.21	23.46
5	1	24		22.91	22.96	23.20
5	12	0		22.62	22.67	22.91
5	12	6		22.34	22.40	22.67
5	12	11		22.12	22.13	22.39
5	25	0		21.85	21.89	22.14
5	1	0	16-QAM	23.20	23.24	23.43
5	1	12		22.94	22.99	23.18
5	1	24		22.68	22.71	22.96
5	12	0		22.46	22.49	22.73
5	12	6		22.23	22.26	22.45
5	12	11		22.03	22.00	22.18
5	25	0		21.76	21.75	21.96
10	1	0	QPSK	24.05	24.12	24.22
10	1	24		23.81	23.91	23.99
10	1	49		23.51	23.66	23.72
10	25	0		23.23	23.39	23.45
10	25	12		23.03	23.17	23.16
10	25	24		22.81	22.93	22.90
10	50	0		22.57	22.70	22.63
10	1	0	16-QAM	23.82	23.91	23.94
10	1	24		23.54	23.69	23.65
10	1	49		23.34	23.45	23.39
10	25	0		23.09	23.18	23.13
10	25	12		22.81	22.91	22.88
10	25	24		22.58	22.63	22.58
10	50	0		22.37	22.39	22.28

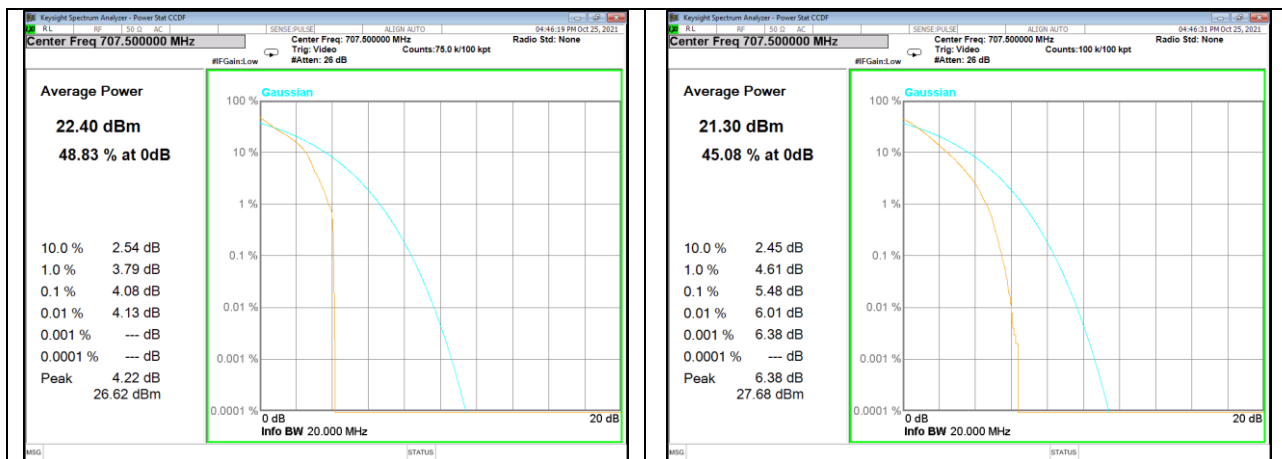


F2. PEAK-TO-AVERAGE RADIO

LTE Band 12 PAR [dBm]					
BW [MHz]	RB Size	Modulation	Lowest	Middle	Highest
			N/AN/AN/A P-A	P-A	P-A
10	1	QPSK	4.82	4.08	4.58
10	50N/A		5.68	5.48	5.17
10	1	16-QAM	5.9	4.97	5.36
10	50N/A		6.41	6.32	6.03
Limit			≤13dB		

LTE BAND-12

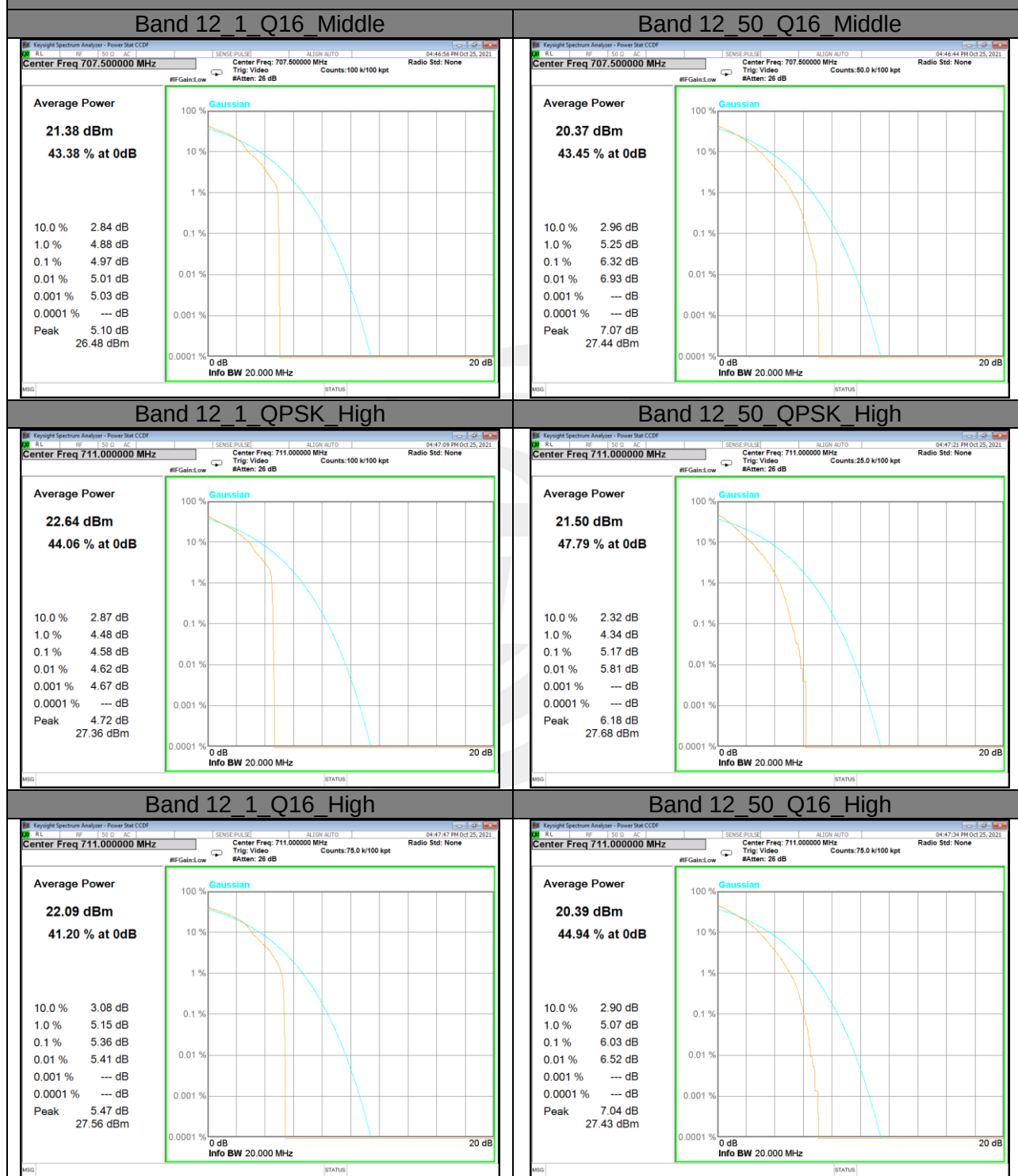






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LTE BAND-12



**F3. TRANSMITTER RADIATED POWER (EIRP/ERP)**

Radiated Power (ERP) for LTE Band 12 / 1.4M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	17.42	1.21	6.40	2.15	20.46	Horizontal	Pass
	1	0	Middle	17.36	1.22	6.40	2.15	20.39	Horizontal	Pass
	1	0	Highest	17.57	1.23	6.40	2.15	20.59	Horizontal	Pass
	1	0	Lowest	18.74	1.21	6.40	2.15	21.78	Vertical	Pass
	1	0	Middle	18.73	1.22	6.40	2.15	21.76	Vertical	Pass
	1	0	Highest	18.93	1.23	6.40	2.15	21.95	Vertical	Pass
16QAM	1	0	Lowest	16.86	1.21	6.40	2.15	19.90	Horizontal	Pass
	1	0	Middle	17.1	1.22	6.40	2.15	20.13	Horizontal	Pass
	1	0	Highest	17.39	1.23	6.40	2.15	20.41	Horizontal	Pass
	1	0	Lowest	18.31	1.21	6.40	2.15	21.35	Vertical	Pass
	1	0	Middle	18.57	1.22	6.40	2.15	21.60	Vertical	Pass
	1	0	Highest	18.74	1.23	6.40	2.15	21.76	Vertical	Pass
Limit	ERP<3W=34.77dBm									

Radiated Power (ERP) for LTE Band 12 / 3M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	17.47	1.21	6.40	2.15	20.51	Horizontal	Pass
	1	0	Middle	17.58	1.22	6.40	2.15	20.61	Horizontal	Pass
	1	0	Highest	17.87	1.23	6.40	2.15	20.89	Horizontal	Pass
	1	0	Lowest	18.91	1.21	6.40	2.15	21.95	Vertical	Pass
	1	0	Middle	18.97	1.22	6.40	2.15	22.00	Vertical	Pass
	1	0	Highest	19.18	1.23	6.40	2.15	22.20	Vertical	Pass
16QAM	1	0	Lowest	17.21	1.21	6.40	2.15	20.25	Horizontal	Pass
	1	0	Middle	17.5	1.22	6.40	2.15	20.53	Horizontal	Pass
	1	0	Highest	17.61	1.23	6.40	2.15	20.63	Horizontal	Pass
	1	0	Lowest	18.61	1.21	6.40	2.15	21.65	Vertical	Pass
	1	0	Middle	18.8	1.22	6.40	2.15	21.83	Vertical	Pass
	1	0	Highest	18.92	1.23	6.40	2.15	21.94	Vertical	Pass
Limit	ERP<3W=34.77dBm									



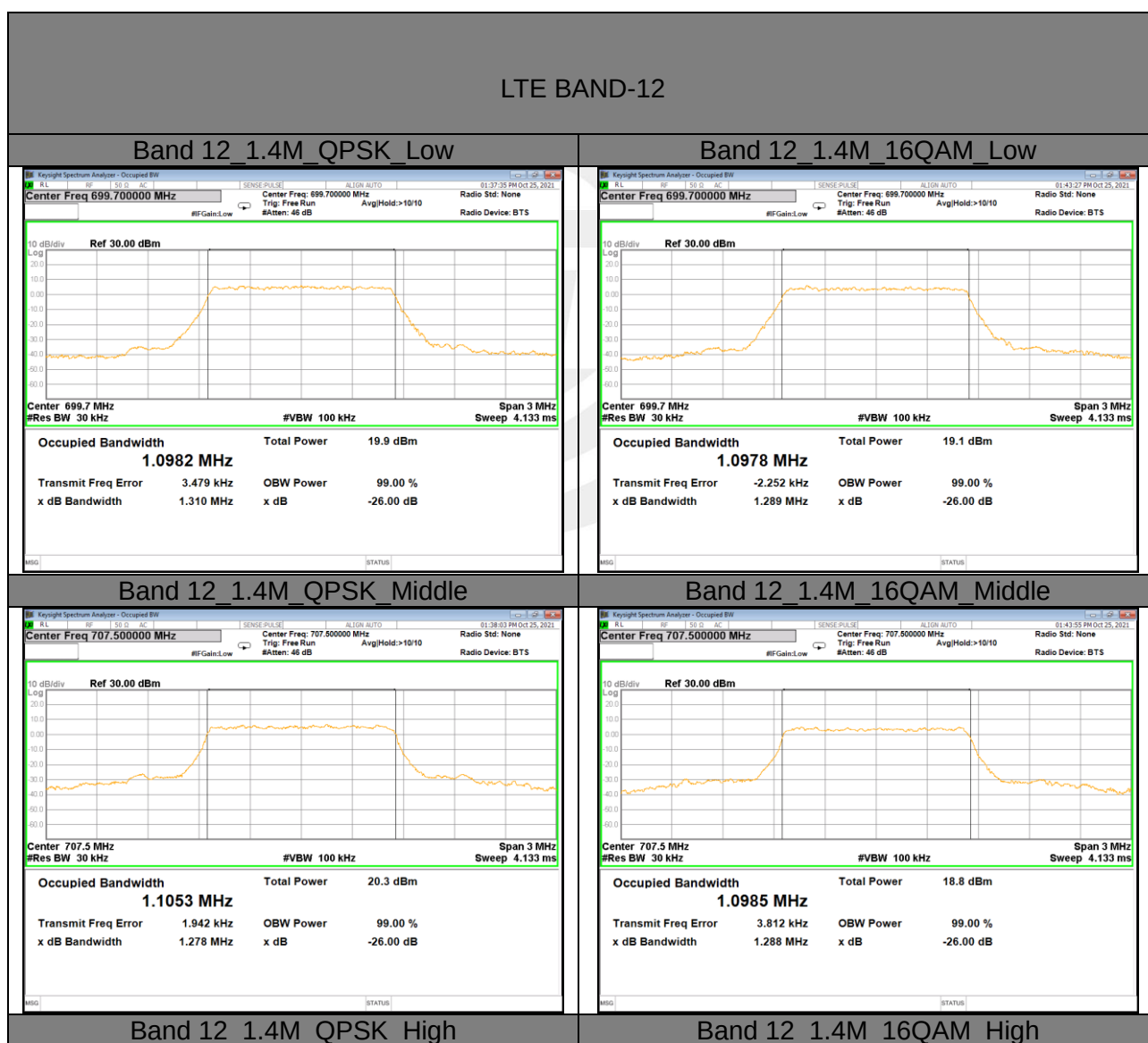
Radiated Power (ERP) for LTE Band 12 / 5M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	17.63	1.21	6.40	2.15	20.67	Horizontal	Pass
	1	0	Middle	17.76	1.22	6.40	2.15	20.79	Horizontal	Pass
	1	0	Highest	17.99	1.23	6.40	2.15	21.01	Horizontal	Pass
	1	0	Lowest	18.98	1.21	6.40	2.15	22.02	Vertical	Pass
	1	0	Middle	19.26	1.22	6.40	2.15	22.29	Vertical	Pass
	1	0	Highest	19.34	1.23	6.40	2.15	22.36	Vertical	Pass
16QAM	1	0	Lowest	17.33	1.21	6.40	2.15	20.37	Horizontal	Pass
	1	0	Middle	17.42	1.22	6.40	2.15	20.45	Horizontal	Pass
	1	0	Highest	17.7	1.23	6.40	2.15	20.72	Horizontal	Pass
	1	0	Lowest	18.76	1.21	6.40	2.15	21.80	Vertical	Pass
	1	0	Middle	18.88	1.22	6.40	2.15	21.91	Vertical	Pass
	1	0	Highest	19.14	1.23	6.40	2.15	22.16	Vertical	Pass
Limit	ERP<3W=34.77dBm									

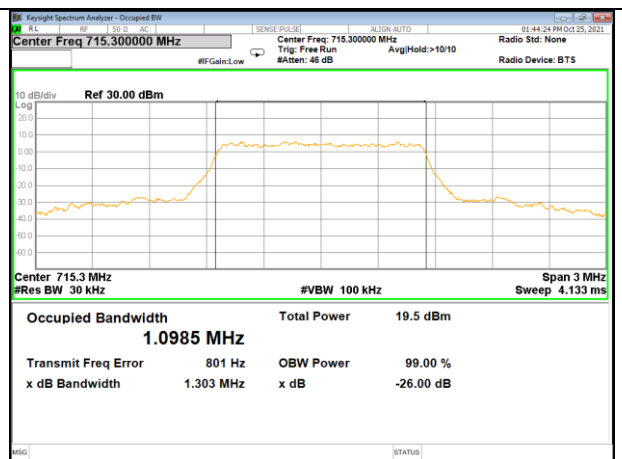
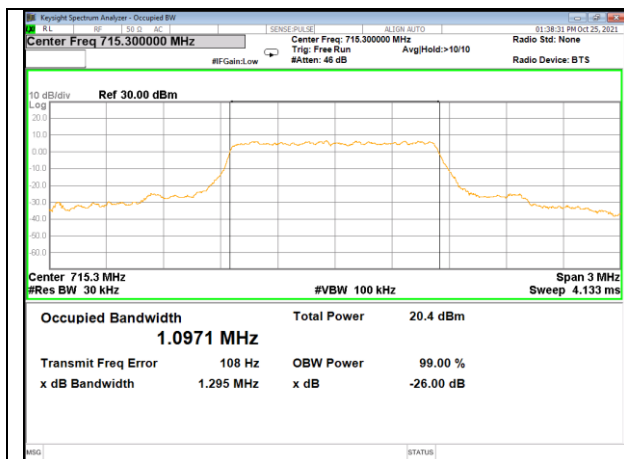
Radiated Power (ERP) for LTE Band 12 / 10M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	18.38	1.21	6.40	2.15	21.42	Horizontal	Pass
	1	0	Middle	18.4	1.22	6.40	2.15	21.43	Horizontal	Pass
	1	0	Highest	18.5	1.23	6.40	2.15	21.52	Horizontal	Pass
	1	0	Lowest	19.74	1.21	6.40	2.15	22.78	Vertical	Pass
	1	0	Middle	19.88	1.22	6.40	2.15	22.91	Vertical	Pass
	1	0	Highest	19.81	1.23	6.40	2.15	22.83	Vertical	Pass
16QAM	1	0	Lowest	18.03	1.21	6.40	2.15	21.07	Horizontal	Pass
	1	0	Middle	18.08	1.22	6.40	2.15	21.11	Horizontal	Pass
	1	0	Highest	18.1	1.23	6.40	2.15	21.12	Horizontal	Pass
	1	0	Lowest	19.45	1.21	6.40	2.15	22.49	Vertical	Pass
	1	0	Middle	19.56	1.22	6.40	2.15	22.59	Vertical	Pass
	1	0	Highest	19.59	1.23	6.40	2.15	22.61	Vertical	Pass
Limit	ERP<3W=34.77dBm									

**C4. OCCUPIED BANDWIDTH(99% OCCUPIED BANDWIDTH/26dB BANDWIDTH)**

LTE Band 12 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.098	1.31	1.105	1.278	1.0971	1.295
1.4	16-QAM	1.098	1.289	1.0985	1.288	1.0985	1.303
3	QPSK	2.678	2.911	2.687	2.919	2.688	2.942
3	16-QAM	2.679	2.913	2.68	2.926	2.6837	2.941
5	QPSK	4.515	5.015	4.5061	4.991	4.502	4.976
5	16-QAM	4.51	5.012	4.505	5.013	4.525	5.007
10	QPSK	8.94	9.714	8.9291	9.729	8.898	9.605
10	16-QAM	8.958	9.642	8.927	9.643	8.878	9.52

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**F5.FREQUENCY STABILITY**

LTE Band 12 (QPSK) / 707.5MHz / BW5M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	36.00	0.051	2.5ppm	PASS
40		18.71	0.026		
30		32.59	0.046		
20		18.25	0.026		
10		34.73	0.049		
0		12.61	0.018		
-10		19.96	0.003		
-20		20.30	0.029		
-30		33.77	0.048		
20	Maximum Voltage	12.85	0.018		
20	BEP	35.87	0.051		

LTE Band 12 (QPSK) / 707.5MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	34.16	0.048	2.5ppm	PASS
40		28.84	0.041		
30		23.07	0.032		
20		32.68	0.046		
10		25.99	0.037		
0		20.97	0.030		
-10		18.62	0.003		
-20		32.81	0.046		
-30		15.50	0.022		
20	Maximum Voltage	30.17	0.042		
20	BEP	33.12	0.047		



F6.SPURIOUS EMISSIONS AT ANTENNA TERMINALS

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