

Antenna gain (dBi) 2

CAT-M1 Band 4 Uplink frequency band : 1710 to 1755 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	19957	1710.7	QPSK	1	0	0	22.85	24.85	30	-5.15
				6	0	0	21.36	23.36	30	-6.64
	20175	1732.5	QPSK	1	0	0	23.06	25.06	30	-4.94
				6	0	0	21.30	23.30	30	-6.70
	20393	1754.3	QPSK	1	5	0	22.75	24.75	30	-5.25
				6	0	0	21.32	23.32	30	-6.68
	19957	1710.7	16QAM	1	0	0	22.37	24.37	30	-5.63
				6	0	0	21.35	23.35	30	-6.65
	20175	1732.5	16QAM	1	0	0	22.41	24.41	30	-5.59
				6	0	0	21.35	23.35	30	-6.65
	20393	1754.3	16QAM	1	5	0	22.68	24.68	30	-5.32
				6	0	0	21.35	23.35	30	-6.65

Antenna gain (dBi) 2

CAT-M1 Band 4 Uplink frequency band : 1710 to 1755 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	19965	1711.5	QPSK	1	0	0	22.89	24.89	30	-5.11
				6	0	0	21.26	23.26	30	-6.74
	20175	1732.5	QPSK	1	0	0	23.02	25.02	30	-4.98
				6	0	0	21.35	23.35	30	-6.65
	20385	1753.5	QPSK	1	5	1	22.78	24.78	30	-5.22
				6	0	1	21.27	23.27	30	-6.73
	19965	1711.5	16QAM	1	0	0	22.31	24.31	30	-5.69
				6	0	0	21.41	23.41	30	-6.59
	20175	1732.5	16QAM	1	0	0	22.14	24.14	30	-5.86
				6	0	0	21.24	23.24	30	-6.76
	20385	1753.5	16QAM	1	5	1	22.60	24.60	30	-5.40
				6	0	1	21.29	23.29	30	-6.71

Antenna gain (dBi) 2

CAT-M1 Band 4 Uplink frequency band : 1710 to 1755 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	19975	1712.5	QPSK	1	0	0	22.84	24.84	30	-5.16
				6	0	0	22.21	24.21	30	-5.79
	20175	1732.5	QPSK	1	0	0	22.87	24.87	30	-5.13
				6	0	0	22.14	24.14	30	-5.86
	20375	1752.5	QPSK	1	5	3	22.92	24.92	30	-5.08
				6	0	3	22.15	24.15	30	-5.85
	19975	1712.5	16QAM	1	0	0	23.32	25.32	30	-4.68
				6	0	0	21.30	23.30	30	-6.70
	20175	1732.5	16QAM	1	0	0	23.26	25.26	30	-4.74
				6	0	0	21.25	23.25	30	-6.75
	20375	1752.5	16QAM	1	5	3	23.38	25.38	30	-4.62
				6	0	3	21.21	23.21	30	-6.79

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Antenna gain (dBi) 2

CAT-M1 Band 4_Uplink frequency band : 1710 to 1755 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	20000	1715	QPSK	1	0	0	22.83	24.83	30	-5.17
				6	0	0	22.30	24.30	30	-5.70
	20175	1732.5	QPSK	1	0	0	22.98	24.98	30	-5.02
				6	0	0	22.25	24.25	30	-5.75
	20350	1750	QPSK	1	5	7	22.91	24.91	30	-5.09
				6	0	7	22.26	24.26	30	-5.74
	20000	1715	16QAM	1	0	0	23.31	25.31	30	-4.69
				6	0	0	21.29	23.29	30	-6.71
	20175	1732.5	16QAM	1	0	0	23.23	25.23	30	-4.77
				6	0	0	21.26	23.26	30	-6.74
	20350	1750	16QAM	1	5	7	23.26	25.26	30	-4.74
				6	0	7	21.26	23.26	30	-6.74

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CAT-M1 Band 4_Uplink frequency band : 1710 to 1755 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	20025	1717.5	QPSK	1	0	0	22.82	24.82	30	-5.18
				6	0	0	22.82	24.82	30	-5.18
	20175	1732.5	QPSK	1	0	0	22.95	24.95	30	-5.05
				6	0	0	22.84	24.84	30	-5.16
	20325	1747.5	QPSK	1	5	11	23.05	25.05	30	-4.95
				6	0	11	22.78	24.78	30	-5.22
	20025	1717.5	16QAM	1	0	0	23.41	25.41	30	-4.59
				6	0	0	22.92	24.92	30	-5.08
	20175	1732.5	16QAM	1	0	0	23.35	25.35	30	-4.65
				6	0	0	22.76	24.76	30	-5.24
	20325	1747.5	16QAM	1	5	11	23.26	25.26	30	-4.74
				6	0	11	22.81	24.81	30	-5.19

Antenna gain (dBi) 2

CAT-M1 Band 4_Uplink frequency band : 1710 to 1755 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	20050	1720	QPSK	1	0	0	22.90	24.90	30	-5.10
				6	0	0	22.89	24.89	30	-5.11
	20175	1732.5	QPSK	1	0	0	22.88	24.88	30	-5.12
				6	0	0	22.73	24.73	30	-5.27
	20300	1745	QPSK	1	5	15	22.94	24.94	30	-5.06
				6	0	15	22.81	24.81	30	-5.19
	20050	1720	16QAM	1	0	0	23.28	25.28	30	-4.72
				6	0	0	22.82	24.82	30	-5.18
	20175	1732.5	16QAM	1	0	0	22.27	24.27	30	-5.73
				6	0	0	22.79	24.79	30	-5.21
	20300	1745	16QAM	1	5	15	23.27	25.27	30	-4.73
				6	0	15	22.81	24.81	30	-5.19

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Antenna gain (dBi) 2

M1 Band 5 Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	20407	824.7	QPSK	1	0	0	22.54	22.39	24.54	38.45	-16.06
				6	0	0	20.95	20.80	22.95	38.45	-17.65
	20525	836.5	QPSK	1	0	0	22.87	22.72	24.87	38.45	-15.73
				6	0	0	20.91	20.76	22.91	38.45	-17.69
	20643	848.3	QPSK	1	5	0	22.53	22.38	24.53	38.45	-16.07
				6	0	0	20.96	20.81	22.96	38.45	-17.64
	20407	824.7	16QAM	1	0	0	22.10	21.95	24.10	38.45	-16.50
				6	0	0	21.17	21.02	23.17	38.45	-17.43
	20525	836.5	16QAM	1	0	0	22.07	21.92	24.07	38.45	-16.53
				6	0	0	21.19	21.04	23.19	38.45	-17.41
	20643	848.3	16QAM	1	5	0	22.45	22.30	24.45	38.45	-16.15
				6	0	0	20.08	19.93	22.08	38.45	-18.52

Antenna gain (dBi) 2

M1 Band 5 Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	20415	825.5	QPSK	1	0	0	22.58	22.43	24.58	38.45	-16.02
				6	0	0	21.01	20.86	23.01	38.45	-17.59
	20525	836.5	QPSK	1	0	0	20.81	20.66	22.81	38.45	-17.79
				6	0	0	21.02	20.87	23.02	38.45	-17.58
	20635	847.5	QPSK	1	5	1	22.52	22.37	24.52	38.45	-16.08
				6	0	1	20.99	20.84	22.99	38.45	-17.61
	20415	825.5	16QAM	1	0	0	21.87	21.72	23.87	38.45	-16.73
				6	0	0	20.91	20.76	22.91	38.45	-17.69
	20525	836.5	16QAM	1	0	0	22.01	21.86	24.01	38.45	-16.59
				6	0	0	20.92	20.77	22.92	38.45	-17.68
	20635	847.5	16QAM	1	5	1	22.22	22.07	24.22	38.45	-16.38
				6	0	1	20.90	20.75	22.90	38.45	-17.70

Antenna gain (dBi) 2

M1 Band 5 Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	20425	826.5	QPSK	1	0	0	22.54	22.39	24.54	38.45	-16.06
				6	0	0	22.00	21.85	24.00	38.45	-16.60
	20525	836.5	QPSK	1	0	0	22.71	22.56	24.71	38.45	-15.89
				6	0	0	21.96	21.81	23.96	38.45	-16.64
	20625	846.5	QPSK	1	5	3	22.65	22.50	24.65	38.45	-15.95
				6	0	3	21.94	21.79	23.94	38.45	-16.66
	20425	826.5	16QAM	1	0	0	23.01	22.86	25.01	38.45	-15.59
				6	0	0	20.86	20.71	22.86	38.45	-17.74
	20525	836.5	16QAM	1	0	0	23.00	22.85	25.00	38.45	-15.60
				6	0	0	20.89	20.74	22.89	38.45	-17.71
	20625	846.5	16QAM	1	5	3	23.08	22.93	25.08	38.45	-15.52
				6	0	3	20.92	20.77	22.92	38.45	-17.68

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Antenna gain (dBi) 2

M1 Band 5 Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	20450	829	QPSK	1	0	0	22.58	22.43	24.58	38.45	-16.02
				6	0	0	22.12	21.97	24.12	38.45	-16.48
	20525	836.5	QPSK	1	0	0	22.71	22.56	24.71	38.45	-15.89
				6	0	0	22.11	21.96	24.11	38.45	-16.49
	20600	844	QPSK	1	5	7	22.66	22.51	24.66	38.45	-15.94
				6	0	7	22.07	21.92	24.07	38.45	-16.53
	20450	829	16QAM	1	0	0	23.05	22.90	25.05	38.45	-15.55
				6	0	0	20.87	20.72	22.87	38.45	-17.73
	20525	836.5	16QAM	1	0	0	23.12	22.97	25.12	38.45	-15.48
				6	0	0	20.99	20.84	22.99	38.45	-17.61
	20600	844	16QAM	1	5	7	22.99	22.84	24.99	38.45	-15.61
				6	0	7	20.92	20.77	22.92	38.45	-17.68

Antenna gain (dBi) 2

CAT-M1 Band 12 Uplink frequency band : 699 to 716 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	23017	699.7	QPSK	1	0	0	22.60	22.45	24.60	34.77	-12.32
				6	0	0	21.05	20.90	23.05	34.77	-13.87
	23095	707.5	QPSK	1	0	0	22.94	22.79	24.94	34.77	-11.98
				6	0	0	20.97	20.82	22.97	34.77	-13.95
	23173	715.3	QPSK	1	5	0	22.46	22.31	24.46	34.77	-12.46
				6	0	0	21.05	20.90	23.05	34.77	-13.87
	23017	699.7	16QAM	1	0	0	22.15	22.00	24.15	34.77	-12.77
				6	0	0	20.99	20.84	22.99	34.77	-13.93
	23095	707.5	16QAM	1	0	0	22.11	21.96	24.11	34.77	-12.81
				6	0	0	21.10	20.95	23.10	34.77	-13.82
	23173	715.5	16QAM	1	5	0	22.33	22.18	24.33	34.77	-12.59
				6	0	0	21.17	21.02	23.17	34.77	-13.75

Antenna gain (dBi) 2

CAT-M1 Band 12 Uplink frequency band : 699 to 716 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	23025	700.5	QPSK	1	0	0	22.63	22.48	24.63	34.77	-12.29
				6	0	0	21.00	20.85	23.00	34.77	-13.92
	23095	707.5	QPSK	1	0	0	22.83	22.68	24.83	34.77	-12.09
				6	0	0	21.07	20.92	23.07	34.77	-13.85
	23165	714.5	QPSK	1	5	1	22.47	22.32	24.47	34.77	-12.45
				6	0	1	20.95	20.80	22.95	34.77	-13.97
	23025	700.5	16QAM	1	0	0	22.01	21.86	24.01	34.77	-12.91
				6	0	0	20.90	20.75	22.90	34.77	-14.02
	23095	707.5	16QAM	1	0	0	21.97	21.82	23.97	34.77	-12.95
				6	0	0	20.97	20.82	22.97	34.77	-13.95
	23165	714.5	16QAM	1	5	1	22.25	22.10	24.25	34.77	-12.67
				6	0	1	20.87	20.72	22.87	34.77	-14.05

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CAT-M1 Band 12 Uplink frequency band : 699 to 716 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23035	701.5	QPSK	1	0	0	22.61	22.46	24.61	34.77	-12.31
				6	0	0	22.25	22.10	24.25	34.77	-12.67
	23095	707.5	QPSK	1	0	0	22.65	22.50	24.65	34.77	-12.27
				6	0	0	22.06	21.91	24.06	34.77	-12.86
	23155	713.5	QPSK	1	5	3	22.64	22.49	24.64	34.77	-12.28
				6	0	3	21.89	21.74	23.89	34.77	-13.03
	23035	701.5	16QAM	1	0	0	23.06	22.91	25.06	34.77	-11.86
				6	0	0	20.93	20.78	22.93	34.77	-13.99
	23095	707.5	16QAM	1	0	0	23.01	22.86	25.01	34.77	-11.91
				6	0	0	20.90	20.75	22.90	34.77	-14.02
	23155	713.5	16QAM	1	5	3	22.95	22.80	24.95	34.77	-11.97
				6	0	3	20.90	20.75	22.90	34.77	-14.02

Antenna gain (dBi) 2

CAT-M1 Band 12 Uplink frequency band : 699 to 716 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23060	704	QPSK	1	0	0	22.68	22.53	24.68	34.77	-12.24
				6	0	0	22.16	22.01	24.16	34.77	-12.76
	23095	707.5	QPSK	1	0	0	22.67	22.52	24.67	34.77	-12.25
				6	0	0	22.08	21.93	24.08	34.77	-12.84
	23130	711	QPSK	1	5	7	22.61	22.46	24.61	34.77	-12.31
				6	0	7	22.10	21.95	24.10	34.77	-12.82
	23060	704	16QAM	1	0	0	23.04	22.89	25.04	34.77	-11.88
				6	0	0	21.03	20.88	23.03	34.77	-13.89
	23095	707.5	16QAM	1	0	0	23.17	23.02	25.17	34.77	-11.75
				6	0	0	21.06	20.91	23.06	34.77	-13.86
	23130	711	16QAM	1	5	7	22.97	22.82	24.97	34.77	-11.95
				6	0	7	20.82	20.67	22.82	34.77	-14.10

Antenna gain (dBi) 2

CAT-M1 Band 13 Uplink frequency band : 777 to 787 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23205	779.5	QPSK	1	0	0	22.63	22.48	24.63	34.77	-12.29
				6	0	0	22.04	21.89	24.04	34.77	-12.88
	23230	782	QPSK	1	0	0	22.75	22.60	24.75	34.77	-12.17
				6	0	0	22.12	21.97	24.12	34.77	-12.80
	23255	784.5	QPSK	1	5	3	22.77	22.62	24.77	34.77	-12.15
				6	0	3	22.09	21.94	24.09	34.77	-12.83
	23205	779.5	16QAM	1	0	0	23.10	22.95	25.10	34.77	-11.82
				6	0	0	20.97	20.82	22.97	34.77	-13.95
	23230	782	16QAM	1	0	0	23.13	22.98	25.13	34.77	-11.79
				6	0	0	20.98	20.83	22.98	34.77	-13.94
	23255	784.5	16QAM	1	5	3	23.09	22.94	25.09	34.77	-11.83
				6	0	3	20.93	20.78	22.93	34.77	-13.99

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Antenna gain (dBi) 2

CAT-M1 Band 13_Uplink frequency band : 777 to 787 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB allocation	RB Start	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23230	782	QPSK	1	0	0	22.83	22.68	24.83	34.77	-12.09
				6	0	0	22.19	22.04	24.19	34.77	-12.73
	23230	782	16QAM	1	0	0	23.09	22.94	25.09	34.77	-11.83
				6	0	0	21.05	20.90	23.05	34.77	-13.87
	/	/	/	/	/	/	/	/	/	/	/
				/	/	/	/	/	/	/	/

Antenna gain (dBi) 2

M1 Band 25_Uplink frequency band : 1850 to 1915 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	26055	1851.5	QPSK	1	0	0	22.62	24.62	33	-8.38
				6	0	0	21.00	23.00	33	-10.00
	26365	1882.5	QPSK	1	0	0	22.93	24.93	33	-8.07
				6	0	0	21.05	23.05	33	-9.95
	26675	1913.5	QPSK	1	5	1	22.63	24.63	33	-8.37
				6	0	1	21.01	23.01	33	-9.99
	26055	1851.5	16QAM	1	0	0	22.06	24.06	33	-8.94
				6	0	0	21.01	23.01	33	-9.99
	26365	1882.5	16QAM	1	0	0	22.05	24.05	33	-8.95
				6	0	0	21.01	23.01	33	-9.99
	26675	1913.5	16QAM	1	5	1	22.24	24.24	33	-8.76
				6	0	1	20.89	22.89	33	-10.11

M1 Band 25_Uplink frequency band : 1850 to 1915 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	26065	1852.5	QPSK	1	0	0	22.71	24.71	33	-8.29
				6	0	0	22.18	24.18	33	-8.82
	26365	1882.5	QPSK	1	0	0	22.78	24.78	33	-8.22
				6	0	0	22.14	24.14	33	-8.86
	26665	1912.5	QPSK	1	5	3	22.75	24.75	33	-8.25
				6	0	3	20.01	22.01	33	-10.99
	26065	1852.5	16QAM	1	0	0	23.06	25.06	33	-7.94
				6	0	0	21.04	23.04	33	-9.96
	26365	1882.5	16QAM	1	0	0	23.17	25.17	33	-7.83
				6	0	0	21.01	23.01	33	-9.99
	26665	1912.5	16QAM	1	5	3	23.07	25.07	33	-7.93
				6	0	3	21.03	23.03	33	-9.97

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M1 Band 25 Uplink frequency band : 1850 to 1915 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	26090	1855	QPSK	1	0	0	22.77	24.77	33	-8.23
				6	0	0	22.14	24.14	33	-8.86
	26365	1882.5	QPSK	1	0	0	22.77	24.77	33	-8.23
				6	0	0	22.12	24.12	33	-8.88
	26640	1910	QPSK	1	5	7	22.76	24.76	33	-8.24
				6	0	7	22.05	24.05	33	-8.95
	26090	1855	16QAM	1	0	0	22.16	24.16	33	-8.84
				6	0	0	21.09	23.09	33	-9.91
	26365	1882.5	16QAM	1	0	0	23.14	25.14	33	-7.86
				6	0	0	20.99	22.99	33	-10.01
	26640	1910	16QAM	1	5	7	23.11	25.11	33	-7.89
				6	0	7	20.92	22.92	33	-10.08
M1 Band 25 Uplink frequency band : 1850 to 1915 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	26115	1857.5	QPSK	1	0	0	22.66	24.66	33	-8.34
				6	0	0	22.63	24.63	33	-8.37
	26365	1882.5	QPSK	1	0	0	22.84	24.84	33	-8.16
				6	0	0	22.75	24.75	33	-8.25
	26615	1907.5	QPSK	1	5	11	22.80	24.80	33	-8.20
				6	0	11	22.66	24.66	33	-8.34
	26115	1857.5	16QAM	1	0	0	23.14	25.14	33	-7.86
				6	0	0	22.71	24.71	33	-8.29
	26365	1882.5	16QAM	1	0	0	23.16	25.16	33	-7.84
				6	0	0	22.66	24.66	33	-8.34
	26615	1907.5	16QAM	1	5	11	23.14	25.14	33	-7.86
				6	0	11	22.56	24.56	33	-8.44
M1 Band 25 Uplink frequency band : 1850 to 1915 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	26140	1860	QPSK	1	0	0	22.79	24.79	33	-8.21
				6	0	0	22.67	24.67	33	-8.33
	26365	1882.5	QPSK	1	0	0	22.72	24.72	33	-8.28
				6	0	0	22.73	24.73	33	-8.27
	26590	1905	QPSK	1	5	15	22.83	24.83	33	-8.17
				6	0	15	22.65	24.65	33	-8.35
	26140	1860	16QAM	1	0	0	23.17	25.17	33	-7.83
				6	0	0	22.74	24.74	33	-8.26
	26365	1882.5	16QAM	1	0	0	23.15	25.15	33	-7.85
				6	0	0	22.65	24.65	33	-8.35
	26590	1905	16QAM	1	5	15	23.16	25.16	33	-7.84
				6	0	15	22.68	24.68	33	-8.32

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Antenna gain (dBi) 2

Part 90S_M1 Band 26 Uplink frequency band : 814 to 824 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	26697	814.7	QPSK	1	0	0	22.57	22.42	24.57	50	-27.58
				6	0	0	21.03	20.88	23.03	50	-29.12
	26740	819	QPSK	1	0	0	22.54	22.39	24.54	50	-27.61
				6	0	0	20.94	20.79	22.94	50	-29.21
	26783	823.3	QPSK	1	5	0	22.87	22.72	24.87	50	-27.28
				6	0	0	20.93	20.78	22.93	50	-29.22
	26697	814.7	16QAM	1	0	0	22.07	21.92	24.07	50	-28.08
				6	0	0	21.03	20.88	23.03	50	-29.12
	26740	819	16QAM	1	0	0	22.05	21.90	24.05	50	-28.10
				6	0	0	21.06	20.91	23.06	50	-29.09
	26783	823.3	16QAM	1	5	0	22.35	22.20	24.35	50	-27.80
				6	0	0	21.09	20.94	23.09	50	-29.06

Antenna gain (dBi) 2

Part 90S_M1 Band 26 Uplink frequency band : 814 to 824 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	26705	815.5	QPSK	1	0	0	22.62	22.47	24.62	50	-27.53
				6	0	0	20.99	20.84	22.99	50	-29.16
	26740	819	QPSK	1	0	0	22.59	22.44	24.59	50	-27.56
				6	0	0	21.02	20.87	23.02	50	-29.13
	26775	822.5	QPSK	1	5	1	22.58	22.43	24.58	50	-27.57
				6	0	1	21.01	20.86	23.01	50	-29.14
	26705	815.5	16QAM	1	0	0	21.99	21.84	23.99	50	-28.16
				6	0	0	20.96	20.81	22.96	50	-29.19
	26740	819	16QAM	1	0	0	21.86	21.71	23.86	50	-28.29
				6	0	0	22.87	22.72	24.87	50	-27.28
	26775	822.5	16QAM	1	5	1	22.20	22.05	24.20	50	-27.95
				6	0	1	20.95	20.80	22.95	50	-29.20

Antenna gain (dBi) 2

Part 90S_M1 Band 26 Uplink frequency band : 814 to 824 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	26715	816.5	QPSK	1	0	0	22.58	22.43	24.58	50	-27.57
				6	0	0	21.96	21.81	23.96	50	-28.19
	26740	819	QPSK	1	0	0	22.56	22.41	24.56	50	-27.59
				6	0	0	21.96	21.81	23.96	50	-28.19
	26765	821.5	QPSK	1	5	3	22.68	22.53	24.68	50	-27.47
				6	0	3	21.96	21.81	23.96	50	-28.19
	26715	816.5	16QAM	1	0	0	23.04	22.89	25.04	50	-27.11
				6	0	0	20.86	20.71	22.86	50	-29.29
	26740	819	16QAM	1	0	0	23.09	22.94	25.09	50	-27.06
				6	0	0	20.97	20.82	22.97	50	-29.18
	26765	821.5	16QAM	1	5	3	22.98	22.83	24.98	50	-27.17
				6	0	3	20.87	20.72	22.87	50	-29.28

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Antenna gain (dBi) 2

Part 90S_M1 Band 26 Uplink frequency band : 814 to 824 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	26740	819	QPSK	1	0	0	22.71	22.56	24.71	50	-25.29
				6	0	0	22.07	21.92	24.07	50	-25.93
	26740	819	16QAM	1	0	0	22.98	22.83	24.98	50	-25.02
				6	0	0	20.95	20.80	22.95	50	-27.05
	/	/	/	/	/	/	/	/	/	/	/
				/	/	/	/	/	/	/	/

Antenna gain (dBi) 2

M1 Band 26 Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	26797	824.7	QPSK	1	0	0	22.52	22.37	24.52	38.45	-16.08
				6	0	0	21.07	20.92	23.07	38.45	-17.53
	26915	836.5	QPSK	1	0	0	22.95	22.80	24.95	38.45	-15.65
				6	0	0	21.03	20.88	23.03	38.45	-17.57
	27033	848.3	QPSK	1	5	0	22.53	22.38	24.53	38.45	-16.07
				6	0	0	21.10	20.95	23.10	38.45	-17.50
	26797	824.7	16QAM	1	0	0	22.05	21.90	24.05	38.45	-16.55
				6	0	0	20.95	20.80	22.95	38.45	-17.65
	26915	836.5	16QAM	1	0	0	22.07	21.92	24.07	38.45	-16.53
				6	0	0	20.95	20.80	22.95	38.45	-17.65
	27033	848.3	16QAM	1	5	0	22.48	22.33	24.48	38.45	-16.12
				6	0	0	21.05	20.90	23.05	38.45	-17.55

Antenna gain (dBi) 2

M1 Band 26 Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	26805	825.5	QPSK	1	0	0	22.57	22.42	24.57	38.45	-16.03
				6	0	0	20.87	20.72	22.87	38.45	-17.73
	26915	836.5	QPSK	1	0	0	22.69	22.54	24.69	38.45	-15.91
				6	0	0	21.01	20.86	23.01	38.45	-17.59
	27025	847.5	QPSK	1	5	1	22.54	22.39	24.54	38.45	-16.06
				6	0	1	20.99	20.84	22.99	38.45	-17.61
	26805	825.5	16QAM	1	0	0	21.96	21.81	23.96	38.45	-16.64
				6	0	0	20.98	20.83	22.98	38.45	-17.62
	26915	836.5	16QAM	1	0	0	21.89	21.74	23.89	38.45	-16.71
				6	0	0	20.89	20.74	22.89	38.45	-17.71
	27025	847.5	16QAM	1	5	1	22.25	22.10	24.25	38.45	-16.35
				6	0	1	21.08	20.93	23.08	38.45	-17.52

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Antenna gain (dBi) 2

M1 Band 26_Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	26815	826.5	QPSK	1	0	0	22.50	22.35	24.50	38.45	-16.10
				6	0	0	21.97	21.82	23.97	38.45	-16.63
	26915	836.5	QPSK	1	0	0	22.61	22.46	24.61	38.45	-15.99
				6	0	0	21.96	21.81	23.96	38.45	-16.64
	27015	846.5	QPSK	1	5	3	22.78	22.63	24.78	38.45	-15.82
				6	0	3	21.97	21.82	23.97	38.45	-16.63
	26815	826.5	16QAM	1	0	0	22.97	22.82	24.97	38.45	-15.63
				6	0	0	20.89	20.74	22.89	38.45	-17.71
	26915	836.5	16QAM	1	0	0	22.96	22.81	24.96	38.45	-15.64
				6	0	0	20.89	20.74	22.89	38.45	-17.71
	27015	846.5	16QAM	1	5	3	23.09	22.94	25.09	38.45	-15.51
				6	0	3	20.90	20.75	22.90	38.45	-17.70

Antenna gain (dBi) 2

M1 Band 26_Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	26840	829	QPSK	1	0	0	22.56	22.41	24.56	38.45	-13.89
				6	0	0	21.97	21.82	23.97	38.45	-14.48
	26915	836.5	QPSK	1	0	0	22.55	22.40	24.55	38.45	-13.90
				6	0	0	22.14	21.99	24.14	38.45	-14.31
	26990	844	QPSK	1	5	7	22.80	22.65	24.80	38.45	-13.65
				6	0	7	22.13	21.98	24.13	38.45	-14.32
	26840	829	16QAM	1	0	0	23.02	22.87	25.02	38.45	-13.43
				6	0	0	20.88	20.73	22.88	38.45	-15.57
	26915	836.5	16QAM	1	0	0	23.05	22.90	25.05	38.45	-13.40
				6	0	0	20.96	20.81	22.96	38.45	-15.49
	26990	844	16QAM	1	5	7	22.77	22.62	24.77	38.45	-13.68
				6	0	7	22.08	21.93	24.08	38.45	-14.37

Antenna gain (dBi) 2

M1 Band 26_Uplink frequency band : 824 to 849 MHz											
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
15	26865	831.5	QPSK	1	0	0	22.62	22.47	24.62	38.45	-13.83
				6	0	0	22.51	22.36	24.51	38.45	-13.94
	26915	836.5	QPSK	1	0	0	22.55	22.40	24.55	38.45	-13.90
				6	0	0	22.63	22.48	24.63	38.45	-13.82
	26965	841.5	QPSK	1	5	11	22.78	22.63	24.78	38.45	-13.67
				6	0	11	22.62	22.47	24.62	38.45	-13.83
	26865	831.5	16QAM	1	0	0	23.15	23.00	25.15	38.45	-13.30
				6	0	0	22.56	22.41	24.56	38.45	-13.89
	26915	836.5	16QAM	1	0	0	23.01	22.86	25.01	38.45	-13.44
				6	0	0	22.45	22.30	24.45	38.45	-14.00
	26965	841.5	16QAM	1	5	11	22.99	22.84	24.99	38.45	-13.46
				6	0	11	22.55	22.40	24.55	38.45	-13.90

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Antenna gain (dBi) 2

M1 Band 66 Uplink frequency band : 1710 to 1780 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	131979	1710.7	QPSK	1	0	0	22.99	24.99	30	-5.01
				6	0	0	21.40	23.40	30	-6.60
	132322	1745	QPSK	1	0	0	23.16	25.16	30	-4.84
				6	0	0	21.27	23.27	30	-6.73
	132665	1779.3	QPSK	1	5	0	22.99	24.99	30	-5.01
				6	0	0	21.39	23.39	30	-6.61
	131979	1710.7	16QAM	1	0	0	22.51	24.51	30	-5.49
				6	0	0	21.56	23.56	30	-6.44
	132322	1745	16QAM	1	0	0	22.36	24.36	30	-5.64
				6	0	0	21.34	23.34	30	-6.66
	132665	1779.3	16QAM	1	5	0	22.90	24.90	30	-5.10
				6	0	0	21.56	23.56	30	-6.44

Antenna gain (dBi) 2

M1 Band 66 Uplink frequency band : 1710 to 1780 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	131987	1711.5	QPSK	1	0	0	23.05	25.05	30	-4.95
				6	0	0	21.39	23.39	30	-6.61
	132322	1745	QPSK	1	0	0	22.89	24.89	30	-5.11
				6	0	0	21.21	23.21	30	-6.79
	132657	1778.5	QPSK	1	5	1	23.08	25.08	30	-4.92
				6	0	1	21.46	23.46	30	-6.54
	131987	1711.5	16QAM	1	0	0	22.34	24.34	30	-5.66
				6	0	0	21.52	23.52	30	-6.48
	132322	1745	16QAM	1	0	0	22.12	24.12	30	-5.88
				6	0	0	21.22	23.22	30	-6.78
	132657	1778.5	16QAM	1	5	1	21.49	23.49	30	-6.51
				6	0	1	22.68	24.68	30	-5.32

Antenna gain (dBi) 2

M1 Band 66 Uplink frequency band : 1710 to 1780 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	131997	1712.5	QPSK	1	0	0	22.98	24.98	30	-5.02
				6	0	0	22.38	24.38	30	-5.62
	132322	1745	QPSK	1	0	0	22.81	24.81	30	-5.19
				6	0	0	22.17	24.17	30	-5.83
	132647	1777.5	QPSK	1	5	3	23.14	25.14	30	-4.86
				6	0	3	22.40	24.40	30	-5.60
	131997	1712.5	16QAM	1	0	0	23.48	25.48	30	-4.52
				6	0	0	21.44	23.44	30	-6.56
	132322	1745	16QAM	1	0	0	23.24	25.24	30	-4.76
				6	0	0	21.03	23.03	30	-6.97
	132647	1777.5	16QAM	1	5	3	23.47	25.47	30	-4.53
				6	0	3	21.28	23.28	30	-6.72

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Antenna gain (dBi) 2

M1 Band 66 Uplink frequency band : 1710 to 1780 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	132022	1715	QPSK	1	0	0	22.98	24.98	30	-5.02
				6	0	0	22.45	24.45	30	-5.55
	132322	1745	QPSK	1	0	0	22.95	24.95	30	-5.05
				6	0	0	22.20	24.20	30	-5.80
	132622	1775	QPSK	1	5	7	23.08	25.08	30	-4.92
				6	0	7	22.54	24.54	30	-5.46
	132022	1715	16QAM	1	0	0	23.45	25.45	30	-4.55
				6	0	0	21.44	23.44	30	-6.56
	132322	1745	16QAM	1	0	0	23.20	25.20	30	-4.80
				6	0	0	21.21	23.21	30	-6.79
	132622	1775	16QAM	1	5	7	23.47	25.47	30	-4.53
				6	0	7	21.29	23.29	30	-6.71

Antenna gain (dBi) 2

M1 Band 66 Uplink frequency band : 1710 to 1780 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	132047	1717.5	QPSK	1	0	0	23.03	25.03	30	-4.97
				6	0	0	22.97	24.97	30	-5.03
	132322	1745	QPSK	1	0	0	22.92	24.92	30	-5.08
				6	0	0	22.76	24.76	30	-5.24
	132597	1772.5	QPSK	1	5	11	23.17	25.17	30	-4.83
				6	0	11	23.09	25.09	30	-4.91
	132047	1717.5	16QAM	1	0	0	23.41	25.41	30	-4.59
				6	0	0	23.02	25.02	30	-4.98
	132322	1745	16QAM	1	0	0	23.30	25.30	30	-4.70
				6	0	0	22.85	24.85	30	-5.15
	132597	1772.5	16QAM	1	5	11	23.48	25.48	30	-4.52
				6	0	11	23.20	25.20	30	-4.80

Antenna gain (dBi) 2

M1 Band 66 Uplink frequency band : 1710 to 1780 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Index	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	132072	1720	QPSK	1	0	0	23.13	25.13	30	-4.87
				6	0	0	22.99	24.99	30	-5.01
	132322	1745	QPSK	1	0	0	22.79	24.79	30	-5.21
				6	0	0	22.72	24.72	30	-5.28
	132572	1770	QPSK	1	5	15	23.12	25.12	30	-4.88
				6	0	15	23.17	25.17	30	-4.83
	132072	1720	16QAM	1	0	0	23.43	25.43	30	-4.57
				6	0	0	23.04	25.04	30	-4.96
	132322	1745	16QAM	1	0	0	23.19	25.19	30	-4.81
				6	0	0	22.76	24.76	30	-5.24
	132572	1770	16QAM	1	5	15	23.51	25.51	30	-4.49
				6	0	15	23.01	25.01	30	-4.99

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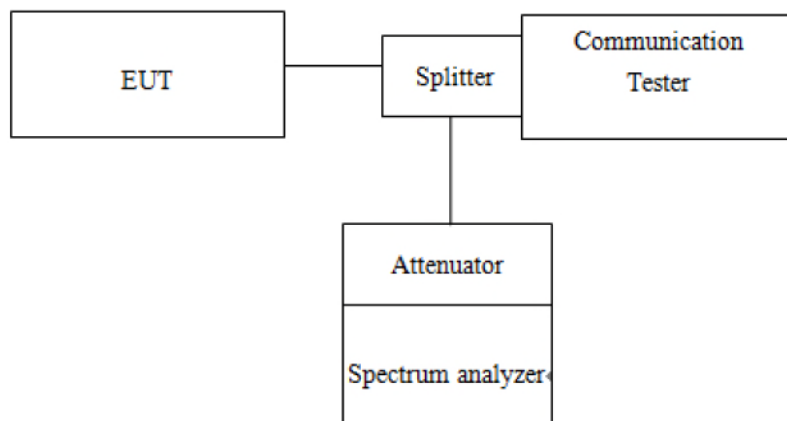
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8 OCCUPIED BANDWIDTH MEASUREMENT

8.1 Standard Applicable

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power.

8.2 Test Set-up



8.3 Measurement Procedure

99% & 26dB Bandwidth with detector peak

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW was set to about 1% of emission BW, VBW= 3 times RBW, -26dBc display line was placed on the screen (or 26dB bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace. Then set RBW to 99% bandwidth, RBW= 1%, VBW= 3 RBW, with span > 2 * Signal BW, set % Power = 99%.

99% Bandwidth with detector sample

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW was set to about 1% ~ 5% of emission BW, VBW= 3 times RBW, -20dBc display line was placed on the screen (or 20dB bandwidth). Set RBW to 99% bandwidth, RBW= 1% ~ 5%, VBW= 3 RBW, with span > 2 * Signal BW, set % Power = 99%.

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8.4 Measurement Result

CAT-M1 BAND 2 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1850.7	18607	1.0745	1.0754	1.276	1.282
1880.0	18900	1.0758	1.0768	1.279	1.288
1909.3	19193	1.0739	1.0769	1.280	1.276

CAT-M1 BAND 2 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1851.5	18615	1.0758	1.0743	1.286	1.275
1880.0	18900	1.0735	1.0769	1.295	1.281
1908.5	19185	1.0755	1.0780	1.279	1.292

CAT-M1 BAND 2 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1852.5	18625	1.0866	1.0779	1.284	1.291
1880.0	18900	1.0774	1.0772	1.282	1.279
1907.5	19175	1.0777	1.0779	1.301	1.294

CAT-M1 BAND 2 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1855.0	18650	1.0729	1.0799	1.273	1.294
1880.0	18900	1.0736	1.0835	1.274	1.296
1905.0	19150	1.0861	1.0857	1.294	1.293

CAT-M1 BAND 2 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1857.5	18675	1.0816	1.0811	1.300	1.280
1880.0	18900	1.0790	1.0785	1.277	1.289
1902.5	19125	1.0733	1.0811	1.268	1.295

CAT-M1 BAND 2 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1860.0	18700	1.0740	1.0768	1.292	1.293
1880.0	18900	1.0764	1.0869	1.284	1.313
1900.0	19100	1.0844	1.0794	1.284	1.294

CAT-M1 BAND 4 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1710.7	19957	1.0734	1.0772	1.284	1.275
1732.5	20175	1.0745	1.0734	1.283	1.285
1754.3	20393	1.0774	1.0754	1.281	1.277

CAT-M1 BAND 4 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1711.5	19965	1.0758	1.0754	1.286	1.297
1732.5	20175	1.0747	1.0737	1.281	1.269
1753.5	20385	1.0773	1.0771	1.283	1.284

CAT-M1 BAND 4 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1712.5	19975	1.0859	1.0800	1.289	1.291
1732.5	20175	1.0816	1.0789	1.282	1.277
1752.5	20375	1.0760	1.0784	1.288	1.302

CAT-M1 BAND 4 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1715.0	20000	1.0730	1.0779	1.277	1.301
1732.5	20175	1.0758	1.0860	1.260	1.302
1750.0	20350	1.0882	1.0815	1.302	1.274

CAT-M1 BAND 4 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1717.5	20025	1.0859	1.0842	1.297	1.283
1732.5	20175	1.0768	1.0796	1.283	1.295
1747.5	20325	1.0728	1.0764	1.285	1.293

CAT-M1 BAND 4 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1720.0	20050	1.0794	1.0789	1.292	1.290
1732.5	20175	1.0736	1.0836	1.261	1.299
1745.0	20300	1.0880	1.0820	1.293	1.302

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CAT-M1 BAND 5 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
824.7	20407	1.0769	1.0739	1.287	1.279
836.5	20525	1.0738	1.0773	1.274	1.277
848.3	20643	1.0772	1.0763	1.281	1.291

CAT-M1 BAND 5 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
825.5	20415	1.0751	1.0755	1.289	1.288
836.5	20525	1.0745	1.0756	1.292	1.293
847.5	20635	1.0744	1.0747	1.285	1.284

CAT-M1 BAND 5 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
826.5	20425	1.0756	1.0806	1.290	1.293
836.5	20525	1.0802	1.0785	1.281	1.283
846.5	20625	1.0819	1.0783	1.279	1.282

CAT-M1 BAND 5 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
829.0	20450	1.0717	1.0798	1.285	1.297
836.5	20525	1.0769	1.0825	1.270	1.286
844.0	20600	1.0808	1.0865	1.301	1.294

CAT-M1 BAND 12 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
699.7	23017	1.0733	1.0746	1.295	1.277
707.5	23095	1.0727	1.0727	1.280	1.279
715.3	23173	1.0706	1.0745	1.279	1.275

CAT-M1 BAND 12 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
700.5	23025	1.0756	1.0758	1.283	1.281
707.5	23095	1.0753	1.0749	1.269	1.300
714.5	23165	1.0718	1.0744	1.277	1.278

CAT-M1 BAND 12 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
701.5	23035	1.0801	1.0791	1.292	1.286
707.5	23095	1.0823	1.0792	1.293	1.295
713.5	23155	1.0816	1.0768	1.292	1.289

CAT-M1 BAND 12 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
704.0	23060	1.0713	1.0788	1.244	1.293
707.5	23095	1.0727	1.0846	1.258	1.289
711.0	23130	1.0866	1.0846	1.308	1.292

CAT-M1 BAND 13 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
779.5	23205	1.0823	1.0806	1.295	1.292
782.0	23230	1.0848	1.0783	1.282	1.288
784.5	23255	1.0828	1.0800	1.279	1.296

CAT-M1 BAND 13 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
782.0	23230	1.0785	1.0865	1.262	1.305

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CAT-M1 BAND 25 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1850.7	26047	1.0752	1.0765	1.277	1.298
1882.5	26365	1.0764	1.0751	1.277	1.273
1914.3	26683	1.0768	1.0780	1.279	1.283

CAT-M1 BAND 25 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1851.5	26055	1.0738	1.0766	1.285	1.279
1882.5	26365	1.0772	1.0774	1.290	1.279
1913.5	26675	1.0748	1.0779	1.284	1.289

CAT-M1 BAND 25 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1852.5	26065	1.0902	1.0789	1.296	1.300
1882.5	26365	1.0782	1.0805	1.293	1.292
1912.5	26665	1.0845	1.0794	1.291	1.300

CAT-M1 BAND 25 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1855.0	26090	1.0728	1.0815	1.279	1.303
1882.5	26365	1.0729	1.0859	1.259	1.286
1910.0	26640	1.0802	1.0835	1.294	1.280

CAT-M1 BAND 25 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1857.5	26115	1.0890	1.0848	1.298	1.295
1882.5	26365	1.0766	1.0820	1.275	1.284
1907.5	26615	1.0738	1.0814	1.270	1.293

CAT-M1 BAND 25 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1860.0	26140	1.0794	1.0790	1.316	1.288
1882.5	26365	1.0736	1.0838	1.271	1.297
1905.0	26590	1.0865	1.0788	1.292	1.304

CAT-M1 BAND 26 for part 90S Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
814.7	26697	1.0716	1.0717	1.283	1.291
819.0	26740	1.0743	1.0737	1.287	1.261
823.3	26783	1.0772	1.0788	1.291	1.282

CAT-M1 BAND 26 for part 90S Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
815.5	26705	1.0739	1.0742	1.277	1.293
819.0	26740	1.0714	1.0737	1.282	1.293
822.5	26775	1.0740	1.0769	1.273	1.297

CAT-M1 BAND 26 for part 90S Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
816.5	26715	1.0810	1.0801	1.274	1.285
819.0	26740	1.0787	1.0782	1.292	1.279
821.5	26765	1.0835	1.0766	1.292	1.292

CAT-M1 BAND 26 for part 90S Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
819.0	26740	1.0724	1.0826	1.269	1.298

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CAT-M1 BAND 26 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
824.7	26797	1.0791	1.0743	1.279	1.279
836.5	26915	1.0755	1.0747	1.282	1.290
848.3	27033	1.0767	1.0726	1.285	1.287

CAT-M1 BAND 26 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
825.5	26805	1.0724	1.0757	1.281	1.276
836.5	26915	1.0723	1.0755	1.284	1.292
847.5	27025	1.0725	1.0754	1.274	1.297

CAT-M1 BAND 26 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
826.5	26815	1.0872	1.0798	1.298	1.286
836.5	26915	1.0801	1.0788	1.292	1.300
846.5	27015	1.0822	1.0763	1.279	1.303

CAT-M1 BAND 26 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
829.0	26840	1.0682	1.0796	1.279	1.308
836.5	26915	1.0723	1.0863	1.260	1.286
844.0	26990	1.0818	1.0852	1.285	1.286

CAT-M1 BAND 26 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
831.5	26865	1.0902	1.0810	1.288	1.305
836.5	26915	1.0786	1.0837	1.289	1.292
841.5	26965	1.0719	1.0814	1.271	1.324

CAT-M1 BAND 66 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1710.7	131979	1.0723	1.0754	1.279	1.276
1745.0	132322	1.0740	1.0772	1.286	1.274
1779.3	132665	1.0731	1.0761	1.270	1.293

CAT-M1 BAND 66 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1711.5	131987	1.0724	1.0766	1.286	1.280
1745.0	132322	1.0765	1.0775	1.287	1.295
1778.5	132657	1.0751	1.0785	1.275	1.274

CAT-M1 BAND 66 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1712.5	131997	1.0827	1.0824	1.297	1.296
1745.0	132322	1.0826	1.0796	1.287	1.299
1777.5	132647	1.0813	1.0819	1.290	1.306

CAT-M1 BAND 66 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1715.0	132022	1.0716	1.0793	1.279	1.298
1745.0	132322	1.0698	1.0843	1.268	1.305
1775.0	132622	1.0888	1.0844	1.302	1.288

CAT-M1 BAND 66 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1717.5	132047	1.0793	1.0872	1.295	1.287
1745.0	132322	1.0801	1.0797	1.286	1.299
1772.5	132597	1.0711	1.0761	1.282	1.304

CAT-M1 BAND 66 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1720.0	132072	1.0810	1.0797	1.300	1.285
1745.0	132322	1.0758	1.0859	1.265	1.292
1770.0	132572	1.0786	1.0790	1.291	1.295

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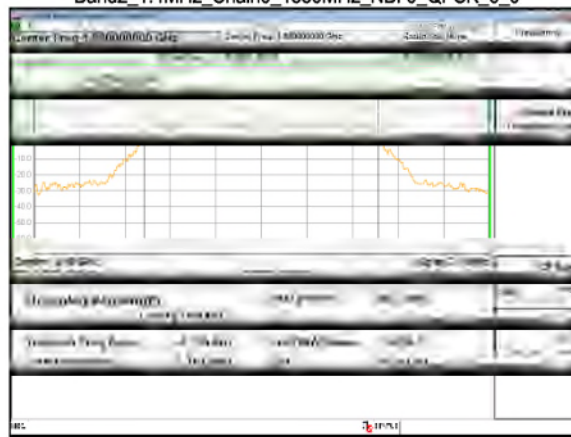
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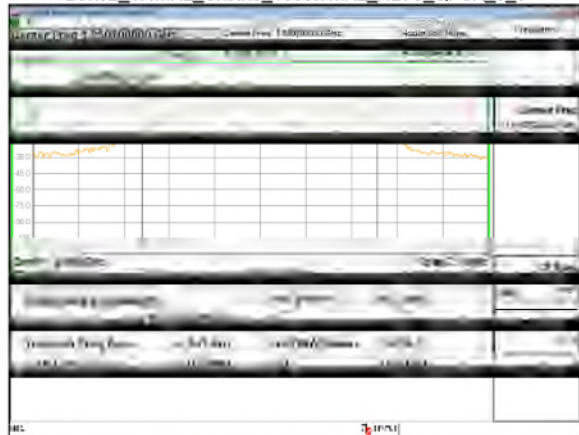
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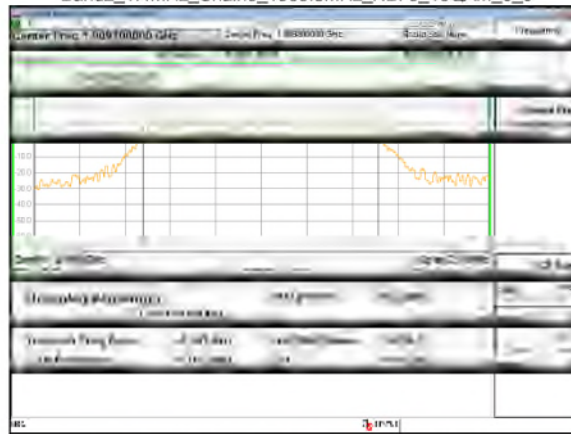
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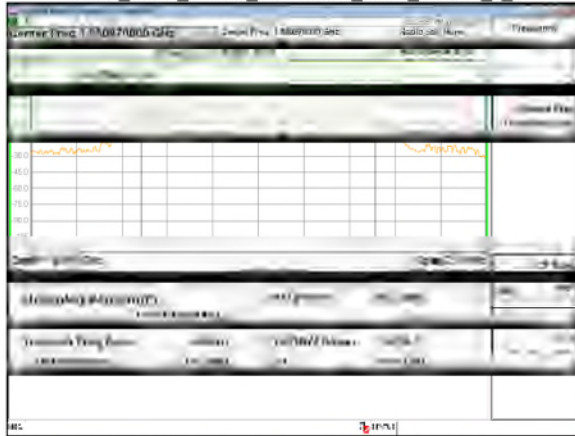


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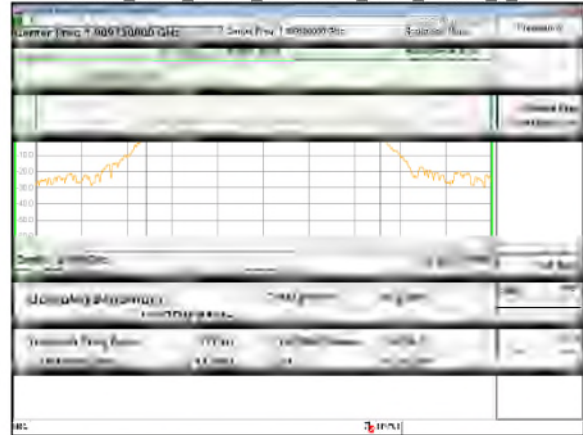
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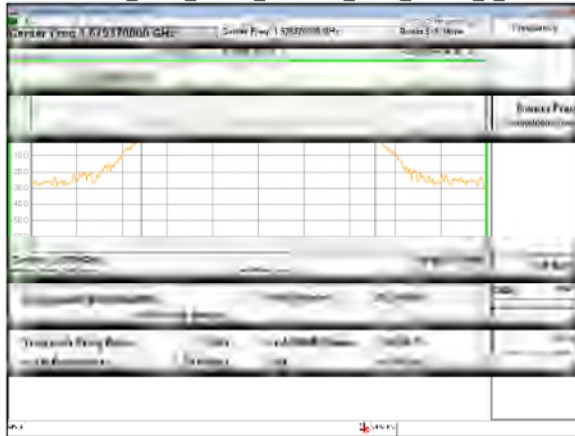
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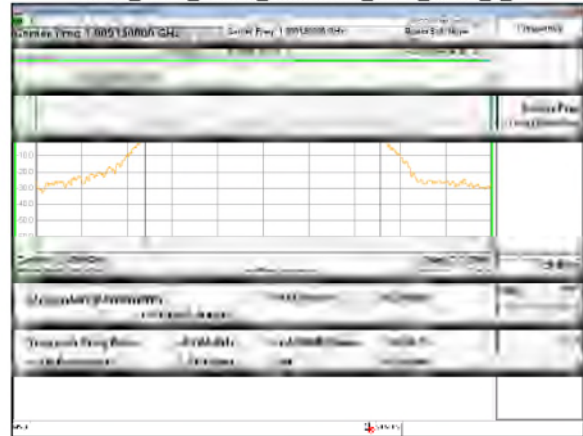
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Band2_3MHz_Chain0_1880MHz_NBI 0_16QAM_6_0



Band2_3MHz_Chain0_1908.5MHz_NBI 1_QPSK_6_0



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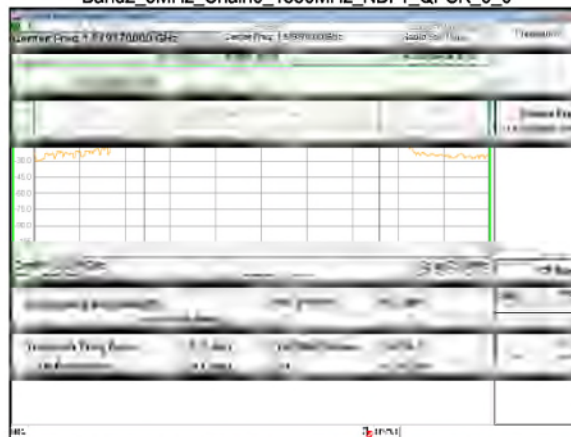
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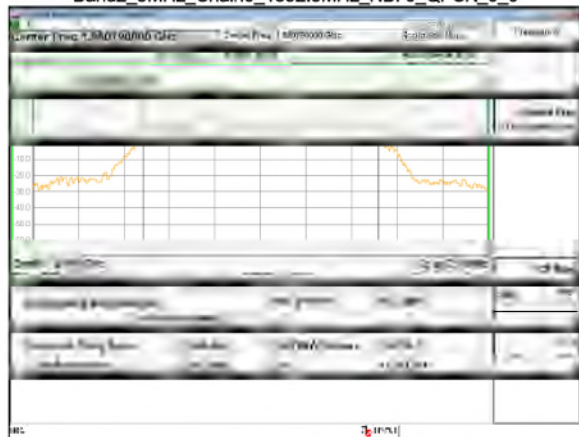
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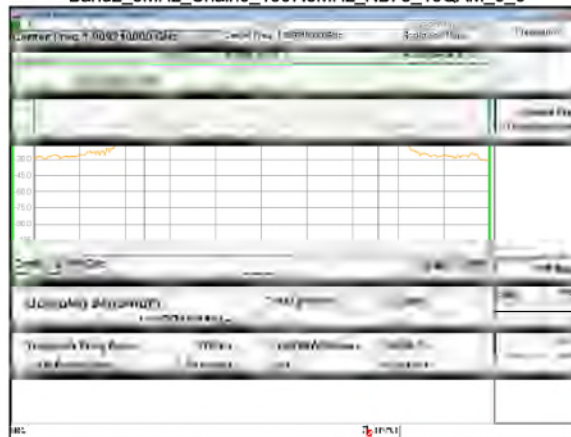
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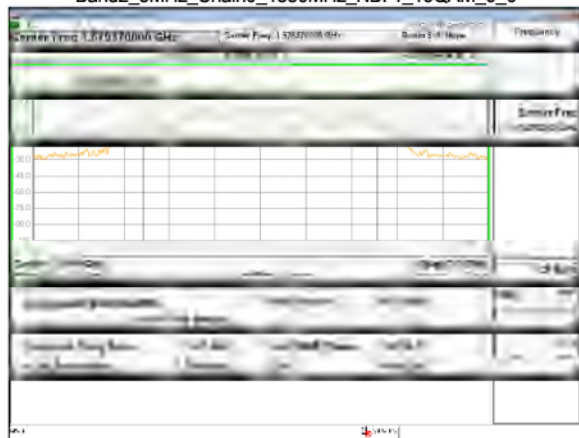
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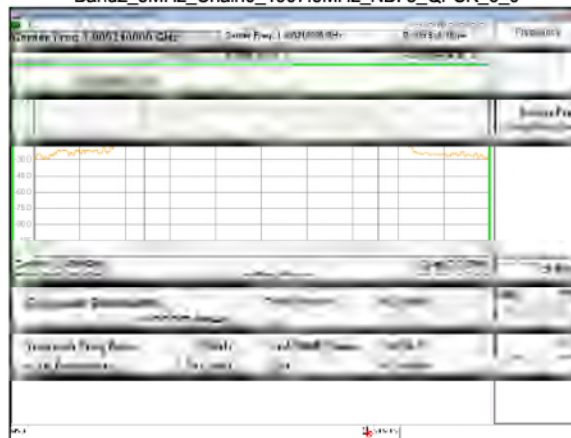
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Band2_5MHz_Chain0_1880MHz_NBI 1_16QAM_6_0



Band2_5MHz_Chain0_1907.5MHz_NBI 3_QPSK_6_0



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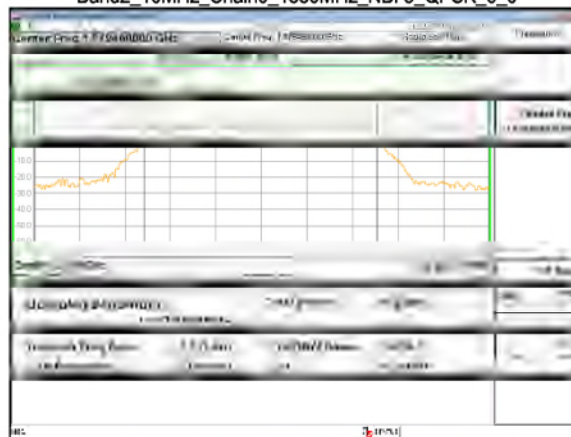
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Band2_10MHz_Chain0_1855MHz_NBI 0_16QAM_6_0



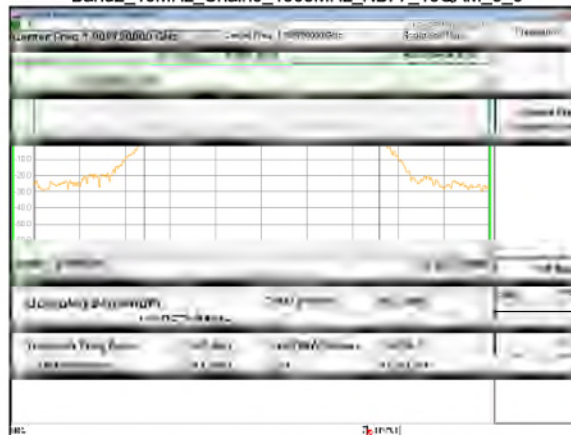
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Band2_10MHz_Chain0_1855MHz_NBI 0_QPSK_6_0



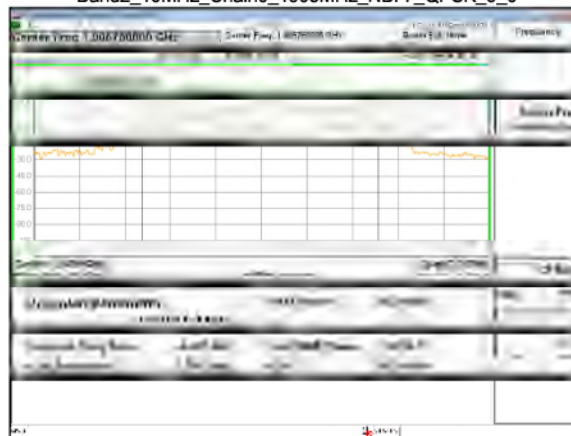
Band2_10MHz_Chain0_1905MHz_NBI 7_16QAM_6_0



Band2_10MHz_Chain0_1880MHz_NBI 3_16QAM_6_0



Band2_10MHz_Chain0_1905MHz_NBI 7_QPSK_6_0

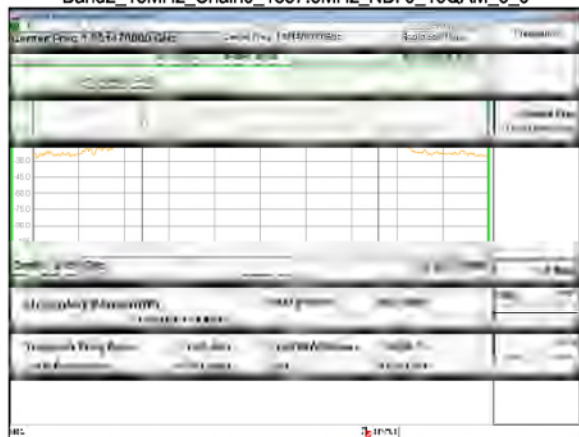


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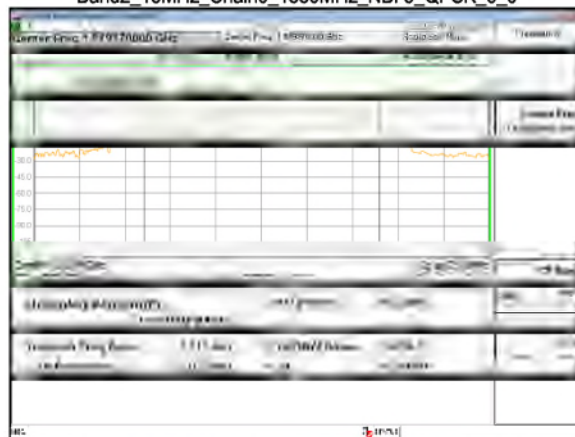
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Band2_15MHz_Chain0_1857.5MHz_NBI 0_16QAM_6_0



Band2_15MHz_Chain0_1880MHz_NBI 5_QPSK_6_0



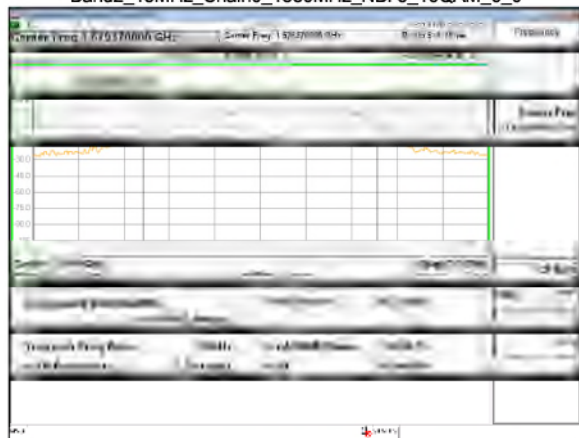
Band2_15MHz_Chain0_1857.5MHz_NBI 0_QPSK_6_0



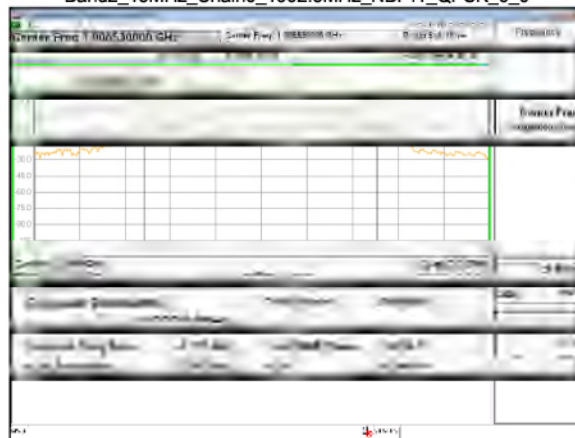
Band2_15MHz_Chain0_1902.5MHz_NBI 11_16QAM_6_0



Band2_15MHz_Chain0_1880MHz_NBI 5_16QAM_6_0



Band2_15MHz_Chain0_1902.5MHz_NBI 11_QPSK_6_0



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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

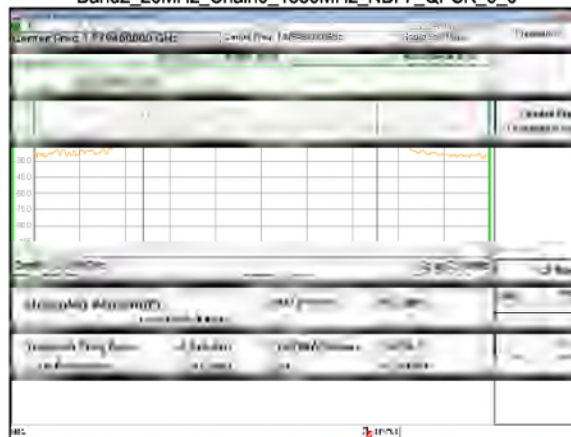
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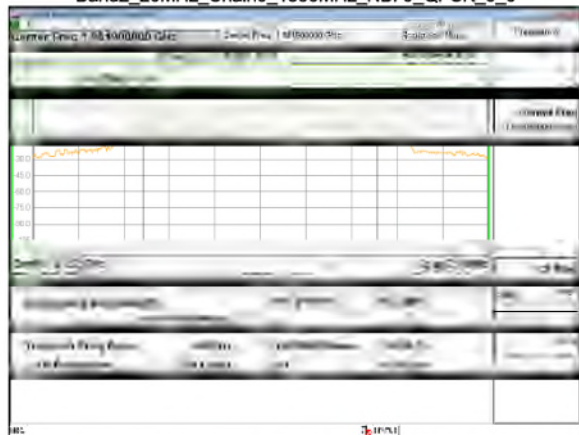
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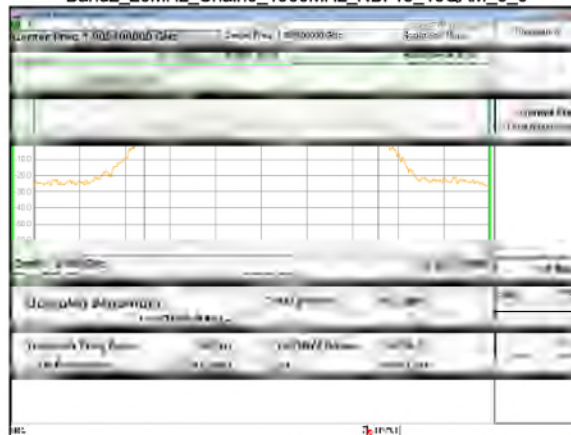
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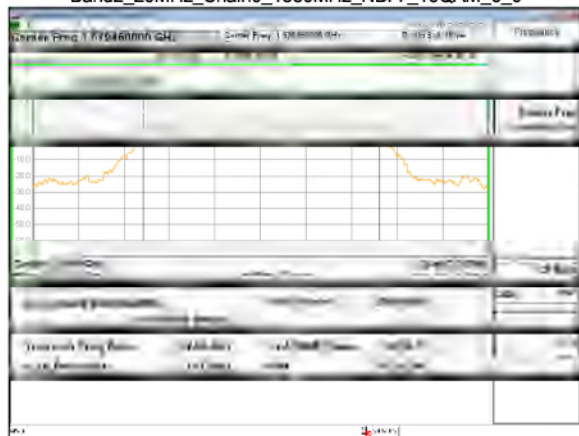
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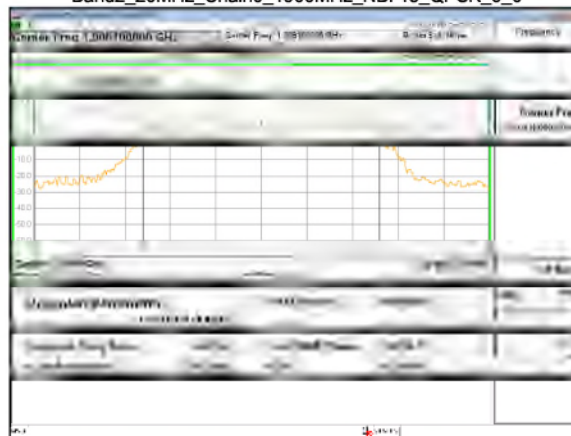
Band2_20MHz_Chain0_1900MHz_NBI 15_16QAM_6_0



Band2_20MHz_Chain0_1880MHz_NBI 7_16QAM_6_0



Band2_20MHz_Chain0_1900MHz_NBI 15_QPSK_6_0



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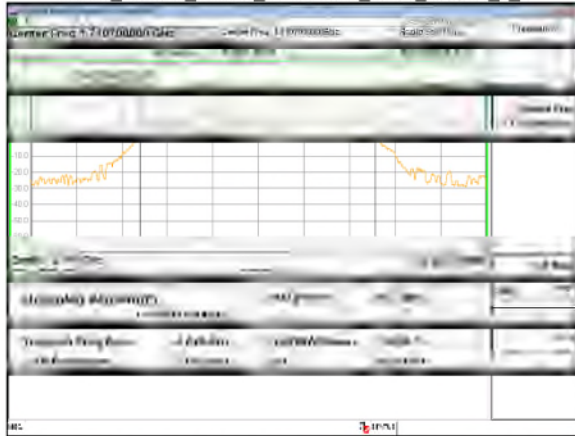
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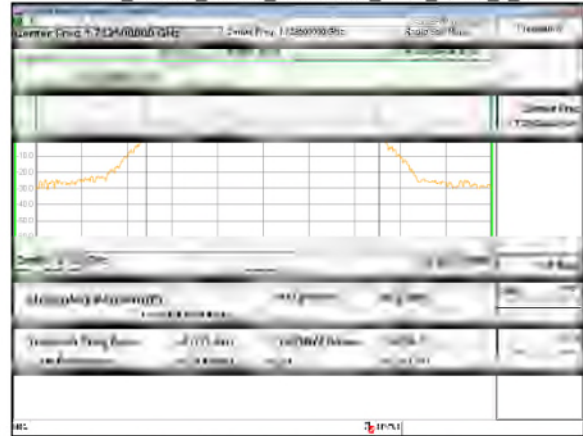
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Band4_1.4MHz_Chain0_1710.7MHz_NBI 0_16QAM_6_0



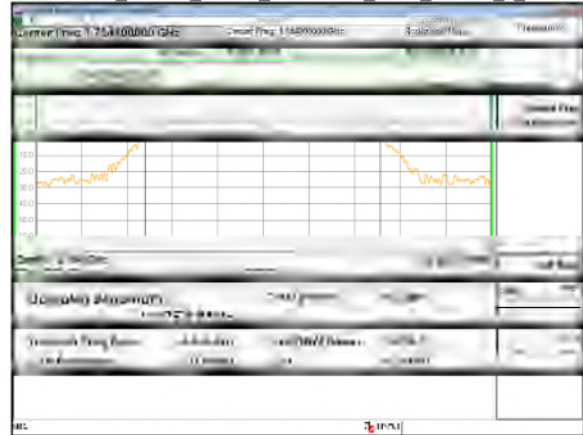
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Band4_1.4MHz_Chain0_1710.7MHz_NBI 0_QPSK_6_0



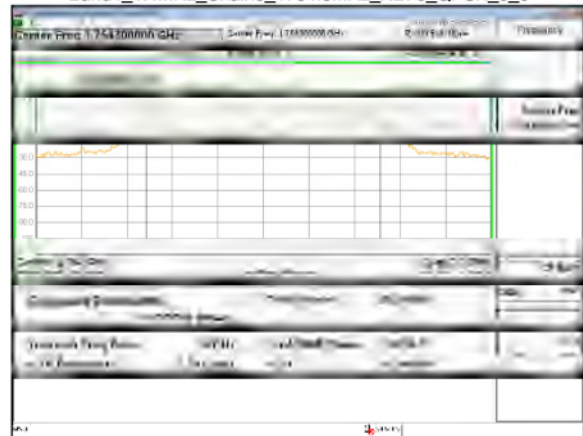
Band4_1.4MHz_Chain0_1754.3MHz_NBI 0_16QAM_6_0



Band4_1.4MHz_Chain0_1732.5MHz_NBI 0_16QAM_6_0



Band4_1.4MHz_Chain0_1754.3MHz_NBI 0_QPSK_6_0

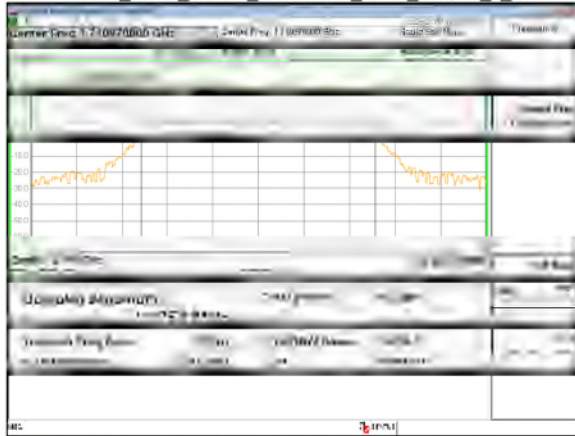


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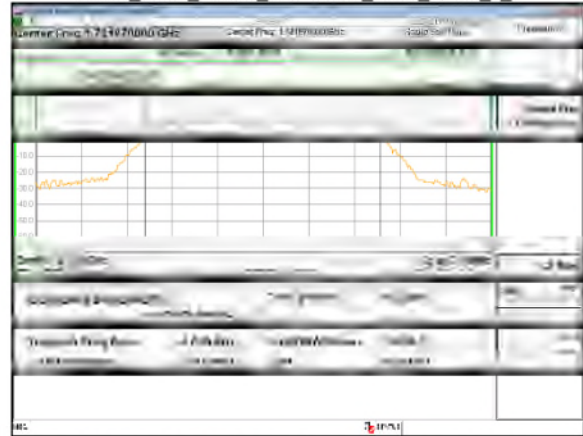
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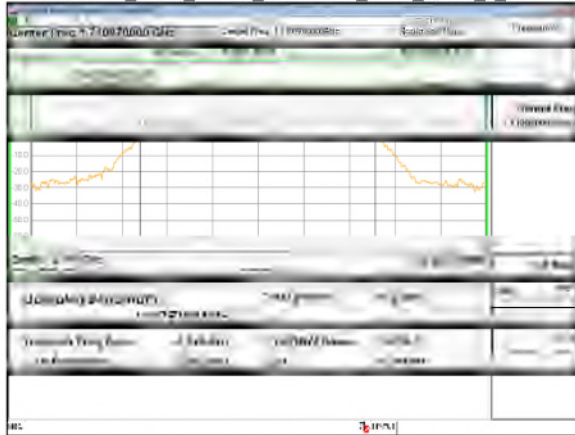
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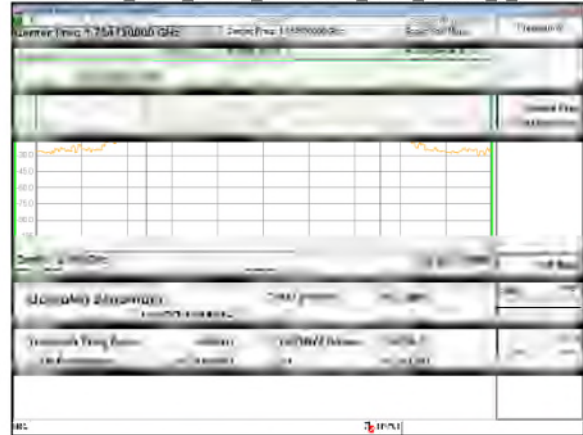
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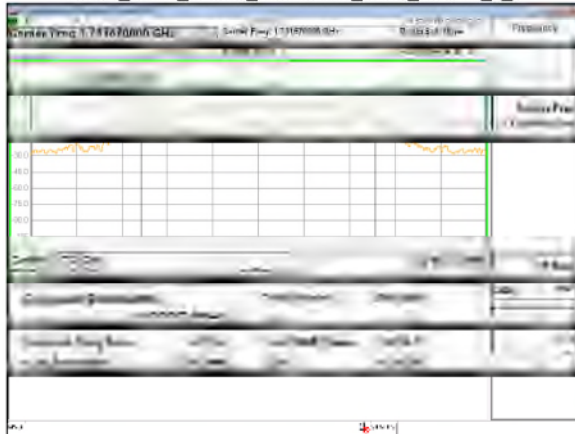
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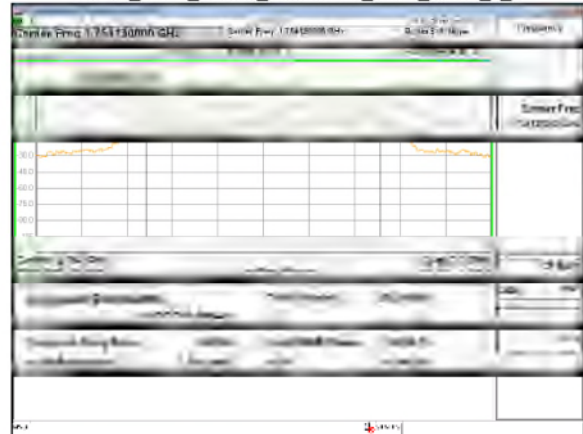
Band4_3MHz_Chain0_1753.5MHz_NBI 1_16QAM_6_0



Band4_3MHz_Chain0_1732.5MHz_NBI 0_16QAM_6_0



Band4_3MHz_Chain0_1753.5MHz_NBI 1_QPSK_6_0

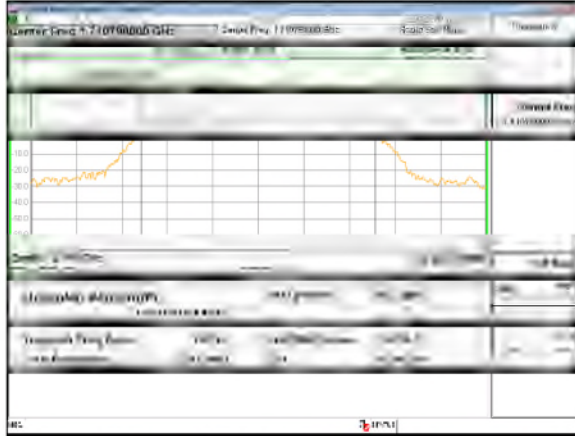


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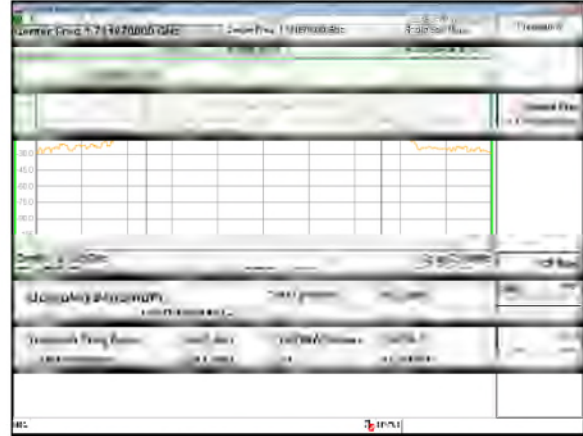
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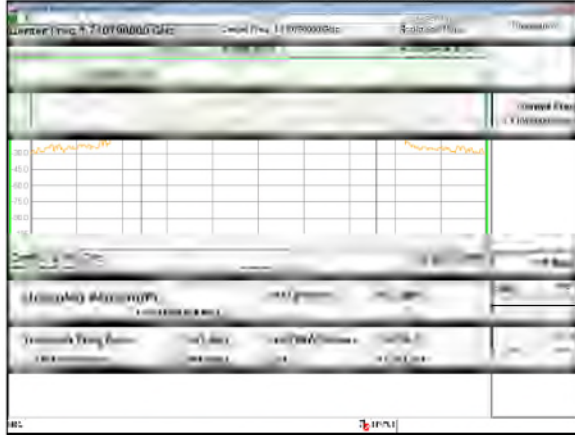
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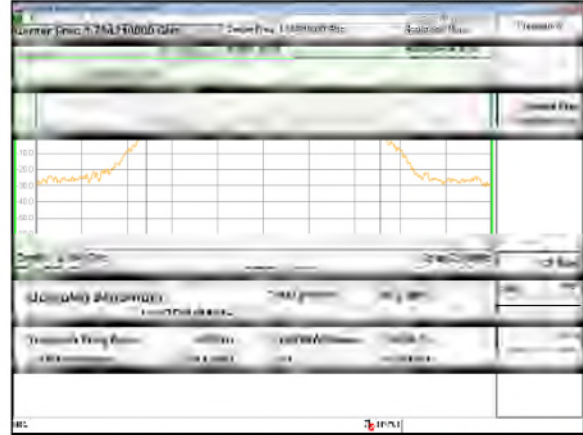
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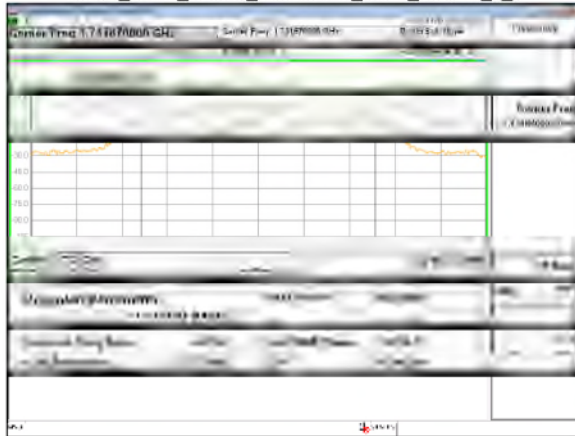
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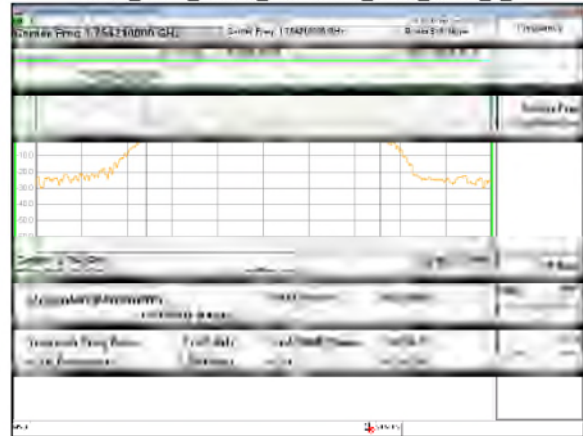
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Band4_5MHz_Chain0_1752.5MHz_NBI 3_QPSK_6_0

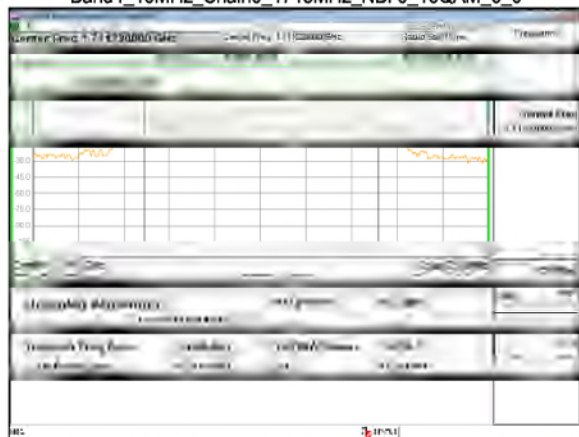


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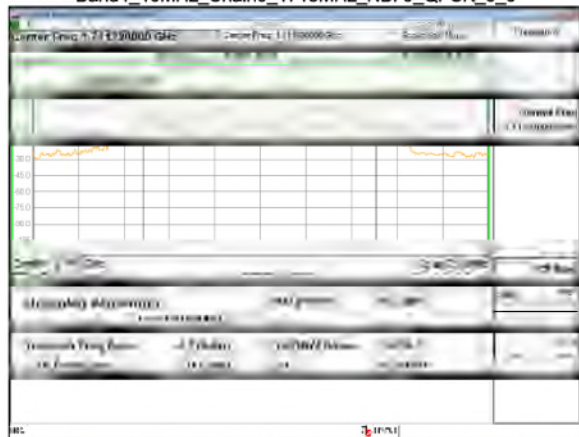
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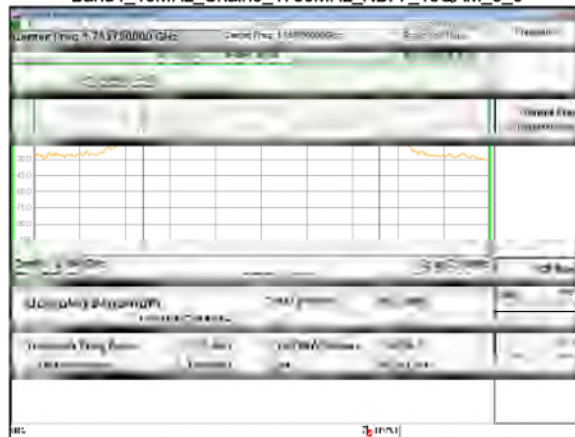
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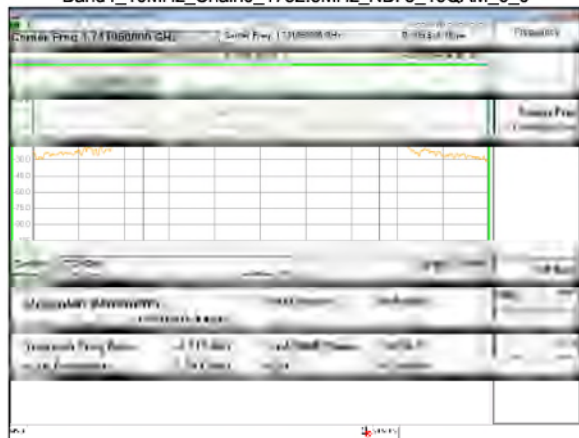
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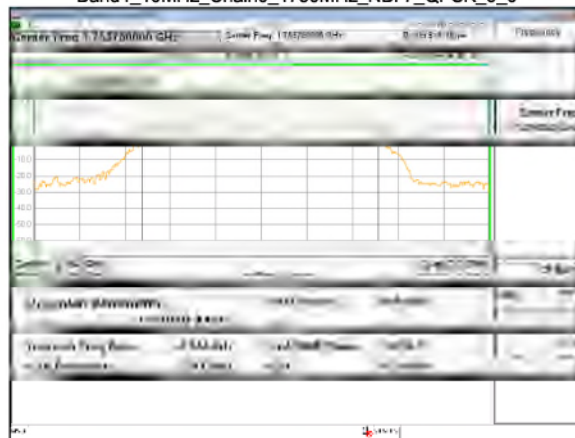
Band4_10MHz_Chain0_1750MHz_NBI 7_16QAM_6_0



Band4_10MHz_Chain0_1732.5MHz_NBI 3_16QAM_6_0



Band4_10MHz_Chain0_1750MHz_NBI 7_QPSK_6_0



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